COMPANY PROFILES

2014 Edition

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www.wiretech.com
COMPANY PROFILE:
AGC Chemicals Americas, Inc. (AGCCA) is a division of Asahi Glass Company (AGC), a Japanese multinational corporation and one of the world’s largest manufacturers of glass, electronic displays and chemical products. Chemical products account for ~24% of the group’s sales. AGCCA is located in Exton, PA, with a compounding plant in Thorndale, PA. AGCCA manufactures, markets and sells high performance fluoropolymer resins, fluoroelastomers, custom compounds, and specialty chemicals.

The company was acquired by AGC in 1999 from ICI Fluoropolymers and merged with AGA Chemicals in 2004 to become AGC Chemicals Americas, Inc. Please visit the company website www.agcchem.com for full product and services details as well as compliance certificates and ISO registrations.

Onsite technical support, testing, application development and product enhancement capabilities are available at the Exton, PA site.

PRODUCT LINES:
As a leading manufacturer of PTFE, ETFE, PFA, melt processable compounds (MPCs) and masterbatches for extrusion into wire and cable jackets and insulated coatings, AGCCA’s product breadth covers a wide range of applications in the automotive, aerospace, chemical process, resource recovery, electronics and semiconductor markets.

The company manufactures custom MPCs to precise specifications and specializes in compounding with ETFE, FEP, PFA, MFA, ECTFE and PVDF resins.

PRODUCT STRENGTHS:
Fluon® Melt Processable Compounds (MPCs)- 8types
- Color concentrates
- Foam concentrates
- Conductive/Antistatic
- Reinforced compounds
- Lubricated products
- Cross-linkable products
- Flexible ETFE/Fluoroelastomer
- Adhesive grades

Key Attributes of MPCs
- Superior chemical resistance and mechanical performance
- Static Dissipative or Conductive
- ROHS compliant pigments
- Can be injection molded into intricate shapes/parts
- Ability to be laser marked for excellent contrast
- Stable pigments at elevated temperature applications
- Ten colors or custom color matching capabilities
- Provide various modifications to pigment intensity and melt viscosities

LM-ETFE (Low Melt)
- Available in 3 different melt flow rates (MFR)
- Lower melting point
- Modified for improved processability over a wider temperature range due to thermal stability
- Higher transparency than ETFE
- Can withstand flex of over 100,000 times

Modified ETFE Copolymer Alloy AR8018TD
- New compound for AGC Chemicals
- Wire/Cable applications (automotive, transportation, nuclear power, oil/gas)
- Improves flexibility and strength of the ETFE
- Maintains desirable properties of ETFE
- Processed by conventional extrusion and injection molding equipment
- Continuous service temperature at 200°C after E-Beam irradiation
COMPUT COMPANY PROFILE:
For over three decades, AlphaGary’s wire and cable materials have led the industry in balancing electrical, mechanical, thermal and fire performance. From the basic to the most rigorous codes and testing procedures, and throughout the myriad of global standards, we understand the challenges our Customers encounter in copper and fiber optic cable design. This has translated into our comprehensive product portfolio which offers solutions in sheathing and insulating materials, including low smoke vinyl alloys, halogen free olefin blends, fluoropolymer compounds, thermoplastic urethanes and a variety of thermoplastic elastomers.

Together, with your cable design concepts, we endeavor to achieve even higher performance levels.

We seek a greater understanding of the complex issues—whether material selection or technology standards—that govern our global wire and cable community. We continually strive for the most environmentally conscious solutions and crucial engineering balance that are so important to our Customers’ success.

PRODUCT OVERVIEW:
Sheath and insulation / buffer compounds for applications such as communications, data / video, fire alarm, industrial, automotive, power transmission, heat tracing, flexible cord, power booster, welding, audio and signal cables.

- **SMOKEGUARD™ LSFR PVC** specialty low smoke, fire retardant vinyl alloys.
- **MEGOLON™** halogen free sheathing and insulation materials for low smoke and fume emissions.
- **GARAFLEX™** thermoplastic elastomer compounds, including Styrenic, Nylon, Vinyl, Olefin / EPDM, and Vulcanizate blends.
- **GARATHANE™** thermoplastic urethane blends and alloys.
- Specialty Fire Retardant Vinyl compounds (GW Series).
- Color Concentrates to support all of our compound types, either custom-matched or to standards such as Munsell or RAL.

KEY PERSONNEL:

- **Enrique Ramirez** – President
- **Daniel DeLisle** – General Manager
- **Dave Kiddoo** – Global W&C Business Manager
- **Rick Peiczarka** – North American Sales Manager
- **Richard Day** – European Sales Manager
- **Mark Jozokos** – Global Technology Manager
- **Joe Preston** – European R&D Manager

INTERNATIONAL CONTACTS:

**AlphaGary Ltd.**
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Amacoil is the exclusive value-added distributor for Uhing brand rolling ring traverse winding drives. There are nineteen sizes of Uhing traverse drives which accommodate winding and spooling a wide range of materials from fiber to thick rope and cable. Amacoil personnel will help select the correct size Uhing traverse to meet specific application needs. Amacoil provides Uhing traverses separately or in custom assemblies and also provides repair service and parts.

COMPANY HISTORY:
Amacoil was founded in 1952. Originally the company started with small machinery and accessory equipment for use in the coil winding industry.
A wire and cable division was soon added and in 1987 the company relocated to its present location in Aston, PA.

PRODUCTS:
Model RG rolling ring linear drives are mechanical alternatives to screw-based and electronically controlled winding systems. Uhing RG drives may be purchased separately, or as part of a ready-to-install winding assembly. In level winding operations rolling ring drives eliminate the need for clutches, cams and gears.
Traverse direction and linear pitch are controlled by the user-adjustable angle at which the rolling ring bearings contact the shaft – independently of the drive motor. Automatic reversal and adjustment of linear pitch are therefore possible without changing gears and without electronics or programming. Stroke length adjusts quickly with movable end stops. Additionally, Uhing drives run on a smooth, threadless shaft that won’t clog or jam.
The Model RS and Model AZ timing belt drives are used for electronically controlled winding systems to accommodate intricate take-up patterns not achievable with regular level winders.

APPLICATIONS:
The Model RG rolling ring drive assembly is ideal for winding a variety of materials from hair-thin fiber to heavy gauge wire, cable, rope and chain. The traverse winding assembly does not require its own drive motor. Instead, the take-up reel motor is used to power the traverse guide. The pitch on the RG drive is variable. Once pitch is set, it will remain automatically synchronized with the rotating reel, even if the take-up reel motor speeds up or slows down.

CAPABILITIES:
Amacoil provides Uhing rolling ring drives separately or in custom assemblies ready to install into winding equipment. Amacoil can configure rolling ring traverses to meet specific winding needs such as ramp up/down or dwell at the reversal points. Amacoil technical representatives will recommend drive size and suggest options to enhance accuracy and efficiency in winding applications. Amacoil maintains a large inventory to meet emergency or routine linear motion needs.

FACILITIES:
Amacoil Inc., North American headquarters is located in Aston, PA in a modern 70,000 sq. ft. manufacturing facility located near Philadelphia’s International Airport.
With a continuous presence of over 40 years, Associated Engineers & Industrials Ltd. (AEI) is one of the most experienced and reliable companies that specializes in RIGID STRANDING MACHINES. AEI stresses on continuous innovation, based on latest product requirements and customer feedback, as absolutely essential to keep its technology ahead of competition, with 8 out of every 10 MV to EHV cable manufacturers and large overhead conductor manufacturers in South Asia using AEI Rigid Stranders.

COMPANY HISTORY
AEI was established in 1971 by Mr. L. S. Jain and has been manufacturing various types of rotating cable machines for the stranding, screening, armouring and laying-up of power cables and overhead conductors since its inception. Over the years the company has become entirely focussed on the design and manufacture of highly reliable, productive and advanced technology Rigid Stranders precisely as per the customer’s needs.

PRODUCT LINES
AEI specializes in high speed RIGID STRANDING MACHINES. The operator friendly intelligent stranders incorporate all the latest features including fully automatic floor / trolley loading devices, electronic shaft synchronisation (including during power failure), individual wire break detectors, auto regulated pneumatic bobbin brakes, motorised pintles and remote diagnostics over telecom link. AEI’s unique use of perfectly balanced fork type cage rotor construction ensures superior energy efficiency.

WORK PHILOSOPHY
43 years of in-depth understanding of stranding process and vast engineering experience ensures AEI Machine end-users of fool proof machines with proven design excellence, operating reliability and total cost competitiveness. The company follows a ‘No Compromise’ policy for its machinery manufacturing with the use of best available materials globally, top quality mechanical craftsmanship and new generation control systems. Users of AEI Machines can expect smart machines that require minimal maintenance and deliver decades of trouble free operation.

FACILITIES
AEI has a fully equipped engineering and manufacturing unit at Ajmer-India. All the machined parts are manufactured in-house at this state-of-the-art facility using the best available materials and workshop practices to guarantee highest levels of quality. The company has a dedicated team of highly experienced mechanical and electrical engineers and technicians having years of experience in manufacturing high tolerance machines and providing after-sales support.

KEY PERSONNEL
Alok Jain
Executive Director
Dr. Kalliopi Lagonika Jain
Director Cont. Development
L. S. Jain
Managing Director
CABLE COMPONENTS GROUP (CCG)
185 South Broad Street
Pawcatuck, CT 06379 USA
Phone: 860-599-5877, Fax: 860-599-5461
Toll Free: 877-LAN-CAT6
Web Site: www.cablecomponents.com • Email: customerservice@cablecomponents.com

CCG designs, extrudes and compounds high performance materials for the wire, cable and fiber optic industry. The extrusion capability is based on equipment suitable for high temperature processing, i.e., >600°F.

CCG places a focus on these materials that provide the market with across the board enhanced performance. These materials fall into two families:
1) Fluoropolymers – FEP, MFA, PFA, ETFE, ECTFE and PVDF
2) Engineering Resins – PEEK, PSU, PES, PPSU, and PEI

All these materials are processable on CCG’s 24 high-temperature extrusion lines to supply solid and foamed crosswebs, tapes, tubes, monofilaments, and multifilament yarns.

CCG also has on-site high-temperature compounding equipment to further enhance properties of the aforementioned materials.

FluoroFoam® represents CCG’s use of compounding to fill the market need for a chemical foaming agent for micro-cell foaming (<0.0009” or 22 micron average cell size) of FEP. CCG’s chemically foamable FEP pellets are especially suited for plenum cable insulations that must meet the stringent NFPA262 Plenum Cable Test because they dramatically lower the combustible footprint of communications cables used throughout commercial buildings. The benefits of chemically foamed FEP include enhanced electrical performance, improved fire retardancy, and lower smoke generation.

Key CCG Contacts:
Charles Glew – President
David Braun – Vice President, Managing Director
Barbara Cioffi – Sales, Marketing & Customer Service Mgr.
Nicolas Rosa – Product Engineer
Dan Messmer – Sales Engineer
Phone: 860-599-5877
Toll Free: 877-LAN-CAT6
Website: www.cablecomponents.com
Email: customerservice@cablecomponents.com
MISSION STATEMENT:  
...to improve the quality of life for our growing corporate community...

COMPANY HISTORY:  
The company was started in 1951 by Henry Carris, sold to Bill Carris in 1980, and became 100% employee-owned in 2008. Carris employs more than 400 people in eight states and Mexico.

RECENT NEWS:  
In November, 2008, Carris Reels and J. Hamelin Industries of Montreal, Canada entered into a partnership agreement. Carris purchased 50% ownership of this 2nd generation family business. Harold Stotland, who owns the other 50%, continues as Hamelin’s president and CEO. The combined experience of our two companies – the knowledge, systems and commitment to our customers – have positioned us to meet our customers’ growing global needs.

CARRIS TODAY:  
Carris is a highly efficient manufacturing company with a participatory business culture that has been competing successfully in the domestic and global markets for 60 years. Carris strives to be a good citizen in the communities in which it operates and has long been a committed steward of the environment. At Carris, customers come first, and its collaborative culture translates to creative solutions and responsiveness to changing needs. The proof of Carris’ value is demonstrated by the trust that its customers place in Carris as their business partner of choice.

PRODUCT LINES:  
Plywood, nailed wood, hardboard, stamped metal and plastic reels.

MARKET SERVED:  
Reels offered by Carris are intended for wire cable, cordage, chain, hose, tubing, strip connectors, film, textile, paper, fiber-optics and other linear packaging applications.

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<tr>
<td>President</td>
<td>Silvia Avila, Operation Manager</td>
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<td>Alberto Aguilar, Vice President Manufacturing</td>
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<td>Brian Holden, National Accounts Manager</td>
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<td>Michael Roussel, Sales Manager</td>
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<td>Pat Blake, Production Manager-VT Plastics</td>
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<td>Janet Porter, Customer Care</td>
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<td>Jessica Oberg, Account Manager</td>
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<tr>
<td>J. Hamelin Industries</td>
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<tr>
<td>Harold Stotland, President</td>
<td></td>
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<tr>
<td>California</td>
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<tr>
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<td>Fax-802.770.3551</td>
<td>Fax-011.5281.8316.7395</td>
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<tr>
<td>Steve Sabourin, General Manager</td>
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<tr>
<td>Susan Madeux, Customer Care</td>
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<tr>
<td>Shelly Hunt, Customer Care</td>
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</table>

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Tel: +1 802 773 9111
Fax: +1 802 770 3551
sales@carris.net
www.carris.com
**COMPANY PROFILE:**
China Sanew Cable Co., Ltd. is a professional enterprise that manufactures various kinds of wires and cable, which are burning-resistant, high-temperature-resistant, anti-corrosion and aging-defensive. Sanew is famous for its high-quality and safe wires and cable.

**PRODUCT OVERVIEW:**
Sanew’s products not only apply to the apparatus, machinery and power industries, but also apply to the aviation, subway, steel, power industries, etc. Since the products are all very safe, they are more applicable to high buildings, public areas and the renewal of electrical appliances. Sanew can not only manufacture products according to the China National Standard, but also to international standards, for example, UL, IEC, VDE, etc.

Wire and cable products offered by China Sanew include:
- Aircraft cables
- Silicone Rubber cables
- Teflon wires
- Spring cables
- Sensor cables
- Automobile cables
- Shipboard cables
- Fiberglass cables
- PTFE, FEP, PFA, PVDF cables
- Ultra-high-temperature cables
- UL3068 cables
- UL3512 cables
- UL1015 cables

China Sanew is also a supplier of cable and wire sleeve solutions and related products for the management and protection of wires, cables and hoses.

The company’s products are in many areas use in applications such as computer network cable management installations. With the a lot of selection of products in the cable industry, China Sanew is truly the first choice for any sleeve solution.

**SALES OFFICE:**
China Sanew Cable Co., Ltd.
2-1-101, Binhefang, Daxing district
Beijing, China 102600
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Fax: +86 10 51410052
Email: international@sanew-cable.com
Websites: wiresandcablechina.com • www.sanew-cable.com
**COMPANY PROFILE:**
Conneaut Industries is the industry leader with a clear focus on technology, change and customer needs. Our specialty yarn products are used extensively in the United States and recognized on the international market. Conneaut’s leadership is a result of its passion for perfection in product performance and strong history in achieving total customer satisfaction. Conneaut received its ISO 9001 : 2000 certification from TÜV ESSEN in December of 2002. Our company employees are the most motivated, skilled and dedicated workers in the specialty yarn industry. Moreover, the company is recognized as maintaining the safest & cleanest work environment.

Company management is extremely committed to building long term partnerships with its customers & suppliers.

**COMPANY HISTORY:**
William Banfield founded Conneaut Industries in Conneaut, Ohio in 1930. In 1935, the company relocated to West Warwick, RI, where it operated from an historical mill complex. In late 1988, the son of the founder, Mr. Dean Banfield made a commitment to build a new facility to support improvements in efficiencies in yarn processing. This modern facility is located in West Greenwich, RI, fifteen minutes from the Providence International Airport, and one thousand feet from Interstate 95. In August 2006, the company’s ownership changed to Mr. Banfield’s grandson, Lance W. Banfield.

**PRODUCT LINES:**
- Fiberglass
- E-glass
- S-2 Glass®
- PTFE Coated Fiberglass
- PolyGlass

**Higher performance:**
- Kevlar®
- Nomex®

**Standard Performance:**
- Nylon
- Polymers
- Rayon
- Cotton

**Proprietary Products (used in ignition wires):**
- Klass Core®
- Glass Core®
- Conncore®
- Dynacore®

**SCOPE OF MARKETS:**
- Electrical Wire & Cable
- Electrical Apparatus
- [Magnet Wire]
- Automotive
- Fiber-Optic
- Sporting Goods & Equipment
- Woven Goods
- Fiber Composites
- Military
- Aircraft/Aerospace
- Research
- Marine
- Appliance
- Telecommunications

**KEY PERSONNEL:**
- **John Santos**, President/CEO
- **Lance Banfield**, Treasurer
- **Russell Kibbe**, Vice President
- **Raymond W. Coleman**, Product Engineer
- **Mario Diaz**, Product Engineer
- **Christine Steinkamp**, Cust. Support

**SALES SUPPORT:**
- **John P. Santos**
  - Tel: 401 392 1110
  - Fax: 401 397 2564
- **John Mancinelli**
  - Tel: 401 392 1110

**VISION**
Global acceptance and recognition that our specialty products provide an effective contribution... improving total performance and enhancing customer confidence and creating values.

**MISSION**
- Develop a platform of strategy to compete in a Global Market
- Develop higher quality standards through cutting edge innovations
- Develop new products through technological advances
- Commitment to shareholder interest, growth and value
- Empower our personnel and provide them the resources to achieve company objectives
- Build long-term partnerships with customers and suppliers

**OUR QUALITY POLICY**
Conneaut Industries is an international producer of specialty yarn products. The company’s management is responsible to implement and communicate coherent quality objectives. Senior management is committed to ensuring availability of resources of information to assist employees in achieving company objectives. Our organization is committed to continuous improvement in processes and product suitability. The entire organization shall strive for customer fulfillment and satisfaction.

**Benchmarks to reach our objectives.**
Achieving Company objectives

- through continuous improvements in Quality and innovation
- Deliver rapid, dependable,
- on-time shipments
- Establish strategic relationships
- with suppliers who are committed to delivering quality products and services
- maintaining high levels of ethics, honesty, integrity and trust.
COMPANY HISTORY:

Continuus-Properzi of Milan, has celebrated more than six decades of leadership in the field of equipment for producing non-ferrous commodities (mainly rod and later ingots), and is continuously investing in research and development.

Continuus-Properzi S.p.A. was established in 1947 by Ilario Properzi (1897-1976), the inventor and promoter of the continuous casting and direct rolling for the non-ferrous metal. This new casting and rolling technology has completely changed the non-ferrous rod and wire industry allowing unimaginable and extraordinary developments in the electric power transmission, distribution and communication fields. The first CCR industrial line (Continuous Casting and Rolling) has been exhibited since 1958 in the National Science and Technique Museum “Leonardo da Vinci” in Milan (Italy).

PRODUCTS:

Actually, Continuus-Properzi is the global leader of CCR lines for non-ferrous wire rod production offering a complete product line including all the necessary elements from furnaces to casting equipment, to rolling equipment, to dual wire rod coilers. The Properzi organization provides unparalleled continuous casting and rolling technology for the production of Aluminum and Copper wire rod on a global basis. The latter being produced from either copper cathodes or 100% low quality copper scrap to yield top quality copper rod. The product line also encompasses machinery for the production of non-ferrous ingots using the traditional Wheel & Belt or the Track & Belt system. The product line is complemented by the offerings of the Wire Machinery Division which include the “Megalogos” machine for high carbon steel wire drawing applications that benefit from the large, ergonomic, horizontal capstans having a diameter of 1270 mm.

A detailed list of Continuus-Properzi products:
- CCR Lines
  - Aluminum CCR Rod Lines
  - Aluminum Alloy CCR Rod Lines
  - Copper CCR Rod Lines
  - Copper Rod from 100% Scrap
- Wire Machinery Division WMD
  - RTM Division
  - OTT Division
- Properzi Microrolling®
- Ingot Casters
  - Wheel & Belt
  - Track & Belt
- Pb Strip for Automotive Battery
- CRS Lines

FACILITIES:

Continuus-Properzi S.p.A. Italian headquarters is located in Milan – Italy in a central building downtown while technology, manufacturing and sales facilities are located in Sordio- Lodi very close to Milan.

Continuus-Properzi is also present in USA and France with two main sales offices located in Spark - Maryland and Saint Ouen l’Aumône, our complete addresses are:

**Headquarters**
Continuus-Properzi S.p.A.
Via Cosimo del Fante, 10
20122 Milano - Italy
hq@properzi.it
www.properzi.com

**Technology, Manufacturing and Sales**
Continuus-Properzi S.p.A.
Via Emilia km 310
26858 Sordio – Italy
sales@properzi.it
www.properzi.com

**France Division**
Properzi France
78 Avenue du Château
BP 27745 Saint Ouen l’Aumône
France
info@properzi.fr
www.properzi.com

**USA Division**
Properzi International, Inc.
909 Ridgebrook Road
Suite n. 102
Spark, Maryland 21152 – USA
info@properzi.us
www.properzi.com

KEY CONTACTS:

eng. Giulio Properzi
President & CEO

eng. Carmelo Maria Brocato
Vice President of the Board and Commercial Director

eng. Vladimir Djukic
Sales Director
**The Entwistle Company**
6 Bigelow Street
Hudson, MA 01749-2697 USA
Tel: +1 508 481 4000
Fax: +1 508 481 4004
Email: wireandcable@entwistleco.com

<table>
<thead>
<tr>
<th>COMPANY HISTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Entwistle Company was founded in Rhode Island, in 1918, by James L. Entwistle – Engineer, for the development and manufacturing of specialized machinery for producing insulated wire and cable and wire products. Over the ensuing years, Entwistle has acquired other capital machinery product lines and pursued defense-related work and acquisitions, which has resulted in a diverse product mix. Today, The Entwistle Company serves a global customer base with the dynamic manufacture of complex parts and equipment. Our corporate Headquarters is located in Hudson, MA, operating under ISO-9001-2008 Certification. Entwistle also has a manufacturing division in Danville, VA; combined facility space is approximately 310,000 ft². The Entwistle Company is a Veteran owned, Small Business.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>PRODUCT LINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Just a few examples of ENTWISTLE Wire Machinery</td>
</tr>
<tr>
<td>- Extrusion Systems</td>
</tr>
<tr>
<td>- THERMOFLITE - Extruders</td>
</tr>
<tr>
<td>- Vertical And Verta-Turret Extruders</td>
</tr>
<tr>
<td>- Gantry / Portal Pay-offs and Take-ups</td>
</tr>
<tr>
<td>- Accumulators &amp; Dancers</td>
</tr>
<tr>
<td>- Capstans</td>
</tr>
<tr>
<td>- Continuous Belt Caterpullers</td>
</tr>
<tr>
<td>- Single Twist Bunchers / Cablers</td>
</tr>
<tr>
<td>- Annealers</td>
</tr>
<tr>
<td>- Wire Drawing Systems</td>
</tr>
<tr>
<td>- Concentric &amp; Eccentric Taping Machines</td>
</tr>
<tr>
<td>Also offered are complete systems and machines for Re-reeling, Re-coiling, Payoffs, Take-ups, Drum-Pak and Draw-Pak Take-ups, De-reelers, Dead Block Coilers, Spoolers, Spark Testing, Measuring, Labeling, High Speed Hose Serving Binding And Serving Heads and Tinning. Take advantage of the industry’s most extensive line of Wire and Cable equipment and the convenience and security of dealing with one source of sales and service at every step of your wire production operation. Please call us today to discuss your requirements.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MISSION STATEMENT</th>
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</thead>
<tbody>
<tr>
<td><em>We are committed to design and manufacture high quality products, on time, that meet or exceed our Customers’ expectations.</em></td>
</tr>
</tbody>
</table>

Designers and Builders of Quality Machinery Since 1918

<table>
<thead>
<tr>
<th>KEY PERSONNEL</th>
</tr>
</thead>
</table>
| George L. Kaplan  
Vice President of Sales & Engineering |
| Jay S. Field  
Sales Product Manager |
| Beth Howes  
Sales Assistant |
| Michael J. Bisbee  
Engineering Manager |
| John L. Rodericks  
Sales Representative (Twisted SOLUTIONS) |

<table>
<thead>
<tr>
<th>SALES OFFICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Entwistle Company</td>
</tr>
</tbody>
</table>
6 Bigelow Street
Hudson, MA 01749-2697 USA
Tel: 1-508-481-4000
Fax: 1-508-481-4004

E-Mail: wireandcable@entwistleco.com
Website: www.entwistleco.com
VISION:
Our vision is to invest in related activities in order to position our brands as worldwide market leaders in the design and manufacturing of wire drawing, stranding and insulation lines for the ferrous and non-ferrous industries.

MARKETS:
MFL GROUP takes great pride in providing its customers with complete innovative solutions with products represented by two historic BRANDS: MARIO FRIGERIO steel wire and rope machinery and FRIGECO machinery for the non-ferrous wire and cable industry.

MFL GROUP is not just a machine supplier. We continue to diversify with the goal of enhancing our knowledge base pertaining to PRODUCT: Machinery for wire drawing, stranding and insulation, TECHNOLOGY: ferrous and non-ferrous materials, and CUSTOMER: specific product requirements.

HISTORY:
Mario Frigerio SpA was established in 1897. With more than 100 years of experience in the wire and cable industry, more than 400 employees, and customers located in over 100 countries around the world, the MFL GROUP is the only worldwide supplier that stands out as a unique manufacturer of state-of-the-art machinery for the production of wires, ropes and cables. Throughout the years, it became clear there were synergies in the value chain of the MFL Group. Activities such as manufacturing, logistics, procurement, after sales and service, marketing and other administrative functions are centralized, while sales and the technical departments operate independently as technical know-how is highly specialized for each product and technology.

CORE COMPETENCE:
Each OEM has developed in-house specialized know-how through intense and focused research & development activities in order to supply innovative solutions tailored to the specific customer product requirements as well as classic machines and to react to the rapidly changing market demand.

MFL GROUP has built a solid global organization in order to support its strategy. Each BRAND is highly specialized to supply high-quality products and services and total systems solutions. MFL has assembled an after-sales service department of experienced wire and cable engineers committed to provide timely customer service, technical solutions, and assist our customers is all aspects of the manufacturing process.
GCR Eurodraw SpA
Via Camillo Chiesa, 19/21
20010 Pogliano Milanese (MI), Italy
Tel: +39-02-93963.1 • Fax: +39-02-93540452
E-Mail: gcr@gcrgroup.com
Web Site: www.gcrgroup.com
Marketing contact: Alberto Cervino

COMPANY HISTORY:
Since 1974 GCR Eurodraw SpA has been designing, developing and manufacturing lines, machines and complete plants for the steel wire industry.

The Company was originally established with the name GCR Engineering SpA, as an associate of the GCR Group. Development continued with the acquisition of prestigious trademarks such as MILL and OZ Cams and was further extended when Eurodraw Srl was set up in 1989 and became a leading company in the field of machinery for the steel wire industry.

In January 2002, GCR Engineering SpA was incorporated with its subsidiary Eurodraw Srl and assumed the new company name of GCR Eurodraw SpA. The merger was decided in order to optimize the management of resources and offer complete and integrated service to customers.

The first industrial initiative of the GCR Group in the steel cord field was the acquisition of Riva & Co. in Turin in 1965, a company specializing in the production of bead wire and bright wire for steel cord, which is the special brass-plated strand used to reinforce the structure of radial tires. Since then, GCR Eurodraw has been supplying high-technology machines all over the world, not only for production of “steel cord”, but also for many different applications of steel wire and cord in general.

In 2007 GCR Eurodraw, in cooperation with EVG of Austria, acquired the company DEM; with this acquisition the production program of the group also covers rolling cassettes and wire profile machinery.

In the same year, GCR Eurodraw also purchased Comapac Wire Machinery Srl, a company specialized in the production of pay-offs and take-ups, competitive rolling machines and custom-designed wire drawing equipment for special applications.

During the same period, GCR also reached an agreement with the South African company VJL Technologies to supply their batch pickling plants as part of complete plant projects.

In 2009 GCR Eurodraw acquired SAMP steel division and is now able to provide customers with the best available technology for production of welding wire, with GCR focusing on dry drawing, forming and cuppering processes and SAMP on wet drawing, pail-packing, winding and respooling systems.

PRODUCTION PROGRAM:
• Wire rod surface preparation lines (mechanical descalers and descalers with brushes, electrolytic pickling, steam pickling, boraxing, lime-coating, phosphating, etc.); batch pickling plants.
• Wire surface treatment lines (cleaning, degreasing and electrolytic pickling).
• Straight-through dry drawing machines.
• Vertical and horizontal wet drawing machines equipped with cones, single capstans, combined, with in-line dry drafts.
• Thermal treatment lines.
• Mono-wire and multi-wire electrolytic plating lines.
• Units for hot-dip zinc-coating lines.
• Double-twist stranding machines.
• Double-twist cabling and assembling machines.
• Spiral wrapping machines.
• Skip stranders.
• Tubular stranders.
• Single and multiple spool pay-offs and spoolers for spools with random or layer rewinding precision take-up systems.
• Single or multiple-head rewinding lines and units.
• Cold rolling lines.
• Welding wire equipment.
• Complete production plants.

KEY PERSONNEL:
Paolo Facchinelli
President
Lorenzo Facchinelli
Managing Director
Massimiliano Bariola
Chief Financial Officer/HR Mgr.

HEAD OFFICE:
GCR Eurodraw SpA
Via Camillo Chiesa, 19/21
20010 Pogliano Milanese (MI), Italy
Tel: +39-02-93963.1
Fax: +39-02-93540452
E-Mail: gcr@gcrgroup.com
Web Site: www.gcrgroup.com
Company History

Setting the Standard for More Than 80 Years

Servicing the rubber, thermoplastics and other polymer related industries for more than 80 years, Harwick Standard Distribution Corporation is a management owned and operated sales, marketing and technical support organization headquartered in Akron, Ohio. In addition to its corporate offices and warehouse facility in Akron, Harwick has a second office and warehouse facility located in Pico Rivera, CA, and has developed a logistics network across the country. With its highly-skilled and experienced sales force, and top-rated customer service department, combined with quality products from more than 30 blue chip manufacturers, Harwick sets the standard in service and reliability.

Products

Harwick’s product portfolio includes quality materials from more than 30 blue chip manufacturers.

- Accelerators, Antioxidants, Antiozonants & Retarders
- Acrylic Impact Modifiers & Process Aids
- Alumina Trihydrate
- Anatase & Rutile TiO₂
- Antimony Oxide
- Blowing Agents
- CPE
- Carbon Black
- Clay
- Coupling Agents
- Co-Curing Agents
- DLC ®’s
- Dispersions
- Fillers
- Fire Retardants
- Fluoropolymers: ETFE, FEP, PCTFE, PFA
- Magnesium Hydroxide
- Masterbatch & Dry Colors
- Metallic Stearates
- Organic Peroxides
- Polymers: FKM, NBR, NBR/PVC, SBR, EPDM, EPR, NR, BR
- PTFE Powders
- PVC Heat Stabilizers
- Plasticizers: Adipates,
- Benzoates,
- Oleates,
- Phthalates,
- Phthalate Free,
- Phosphate Esters,
- Polymeric,
- Sebacates,
- Specialty,
- Trimellitates
- PEG’s
- Process Oils: Naphthenic & Paraffinic
- White Mineral Oil
- Hydrocarbon & High Styrene Resins
- Precipitated Silica
- Silicone Fluid, Emulsions
- Anti-Foams
- Stearic Acid
- Sulfur
- VVO
- Waxes
- Zinc Borate
- Zinc Oxide

Contact Harwick Standard:
www.harwickstandard.com

Akron, OH
330-798-9300
800-899-4412

Pico Rivera, CA
323-723-9911
800-883-9911

Registered to ISO 9001
Member NACD
**MISSION STATEMENT:**

Simply put, we will save you money without the sacrifice of quality.

Big-company resources with a small-company feel — what does that mean for you? It means you’ll have the support of an ISO 9001-certified company with an inventory of more than 600 products, distributed through a network of 15 warehouses in the U.S., Canada and Mexico, capable of getting your products to your loading dock when you need them.

It also means personal attention from experts who have been in the chemical distribution business for more than 25 years, who can help craft solutions that meet the unique needs of your company. Nobody else brings it all together under one roof better than HB Chemical. Let us show you how we can make a difference.

<table>
<thead>
<tr>
<th>PRODUCTS:</th>
<th>KEY PERSONNEL:</th>
</tr>
</thead>
</table>
| HB CHEMICAL offers a variety of products to the industries that it serves, including the following: | Jeffrey Rand  
President  
Annette Doria  
VP of Operations  
Rick Ravine  
CFO  
Joe Moran  
Derek Berresford  
Matt Brown  
Rodrigo Valdes  
Andy Couch  
Brian Jones  
Don Branek  
Rick Snyder  
Peter Rand  
Sales Management & Staff | |
| • NBR  
• SBR  
• BR  
• NR  
• Silicone  
• EPDM  
• Plasticizers  
(specialty, commodity and polymeric)  
• Accelerators  
• Dispersions  
• TiO2  
• Lubricants  
• Flame Retardants  
• Waxes  
• Process Oil  
• Magnesium Oxide  
• Resins  
(Hydrocarbon and Phenolic)  
• Carbon Black | |

**SALES OFFICE:**

HB CHEMICAL  
1665 Enterprise Pkwy.  
Twinsburg, OH 44087 USA  
Tel: +1 800 991 2436  
Fax: +1 330 920 0971  
Website: www hbchemical.com
Low pressure molding (LPM) is the process of gently encapsulating a fiber optic, wire termination or other electrical component with a hot melt adhesive. This production method offers the combination of speed and simplicity of thermoplastic injection molding with the strength and durability of casting.

The LPM process allows simultaneous cable sealing and strain relief and the ability to completely pot and encapsulate electronic components such as sensors, connectors and switches.

**TECHNOMELT® MOLDING PRODUCTS**

Henkel’s Technomelt® hot melt adhesive is a “one-step” process that reduces cycle times boosting productivity while enhancing the reliability of finished parts and assemblies. Technomelt® provides gentle encapsulation with an adhesive molding compound to achieve the ultimate seal and robust “molded-on protection.”

**THE ADVANTAGES OF TECHNOMELT®**

- Simple and clean process
- Shorter cycle times (15 - 45 seconds)
- Reduced number of operations
- Design and part configuration flexibility
- Low capital equipment cost
- Safe one-component product
  - UL 94 V0 approved
- Low-pressure, high-speed molding protects delicate components

**APPLICATIONS**

- Cable transitions
- Wire harnesses
- Sensors
- Connectors
- Grommets
- Switches
- Batteries

**ABOUT HENKEL**

Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies. Founded in 1876, Henkel holds globally leading market positions both in the consumer and industrial businesses with well-known brands such as Dial, Schwarzkopf and Loctite. Henkel employs about 47,000 people and reported sales of $21.8 billion and adjusted operating profit of $3.3 billion in fiscal 2013.
Cavitation Strength of Primary Coatings

In principle the way to induce tri-axial tensile stress in a particulate coating is straightforward: increase the volume of cavities with the load in a reproducible way, and thereby push the load through the coating material. In order to obtain reproducible results in the coating material, a tri-axial tensile stress is created uniformly distributed between the plates, the sideway contraction of the coating is restricted. Because this very thin layer of coating is bounded to the glass plate and covered with the quartz billet, the adhesion level of primary coating on glass should be balanced with the strip force requirement. A high cavitation strength is always desirable for a primary coating. The adhesion level of primary coating necessarily impacts on fibers should be avoided during the fiber drawing, as mechanical and thermal impact is elevated to a certain level. While thermal impacts on fibers should be aware, however, any coated fiber may eventually lose adhesion to the coating material.

A high cavitation strength is always desirable for a primary coating. The adhesion level of primary coating necessarily impacts on fibers should be avoided during the fiber drawing, as mechanical and thermal impact is elevated to a certain level. While thermal impacts on fibers should be aware, however, any coated fiber may eventually lose adhesion to the coating material. The setup is designed so that the sample setup is illustrated in Figure 8.

The sample setup is illustrated in Figure 8.
**ABOUT THE COMPANY:**

With corporate headquarters in Inman, SC, USA, IWG High Performance Conductors (HPC) is the world’s leading fabricator of specialty high-performance conductors for the Commercial & Military Aerospace, Medical, Communications, Geophysical & Exploration, Microelectronics, and Specialty Instrumentation markets. For more than 100 years, HPC has led the way in developing new conductor products and processes to meet its customers’ stringent and ever-evolving needs.

HPC’s manufacturing facilities are committed to service and quality through product innovation with advanced manufacturing techniques, research & development initiatives, along design & process engineering teams. Manufacturing sites are located in Inman, SC, USA and Trenton, GA, USA.

The facility in Inman is the world’s largest facility for producing specialty conductors, including a full line of silver, nickel, tin plated copper and copper alloy conductors. Flat wire & Round braid wire, Tinsel Wire, and plated High-Tensile Strength alloy conductors are also manufactured at Inman.

HPC’s award-winning Trenton, Georgia (MinVasive Product Line), facility serves as a center of manufacturing excellence and innovation in the production of bare and insulated fine and ultra-fine wire and polyimide tubing for our medical products market. The company specializes in the micro-diameter sizes for both our wire and tubing products that are designed to meet custom specifications for the Medical Electronic/Device market. Tubing products include standard pure resin, wire reinforced, conductor embedded, and particle composite tubes.

**COMPANY HISTORY:**

High Performance Conductors offers over 100 years of industry experience. The company was founded as Hudson Wire Co. in Newark, NJ, USA in 1902. In 1905, the company moved to Ossining, NY, USA, and then incorporated in 1907.


In 1989, PDI acquired Hudson International, and then acquired Nesor Alloys Corp. in 1996. In 2006, IWG acquired HPC; who then purchased Montgomery Wire in 2008. All products lines have been integrated into the Inman, SC or Trenton, GA manufacturing sites.

**A GLOBAL PRESENCE:**

IWG High Performance Conductors maintains both a domestic and international presence as a leader in the industry with sales offices located in the USA and Puurs, Belgium. We also have a strategic relationship with Sanshu Electric Wire Co., Ltd. Located in Hekinan, Japan. Our products are also being used in Canada, Central Europe, South America, South East Asia and Australia.

**PRODUCT LINES:**

**High Performance Conductors:**
- Silver, Nickel and Tin plated copper conductors
- Plated High Strength Alloys (Tensile Flex, CS-95, Copper Clad Aluminum/Steel, Cad Copper)
- Flat & Round Braid Wire
- Ultra Fine Conductors (40-56awg)
- Designs: single end, stranded, bunched & roped
- Specialty Plating Operations (27% nickel plate to 120 micro inches of silver plate)
- Tinsel Wire (commercial flatwire served with textile member)

**MinVasive:**
- Critical applications, like those in the medical industry, leave no room for error. HPC’s MinVasive Components provides focused solutions and the micro-diameter wire & tubing products needed for medical applications. Examine your needs and visit the extensive site for details.

**HPC CULTURE:**

**Innovation:** Using the combined talent of 24 hour operations with multi-disciplined skill sets of the latest Visual Aid systems, Lean Initiatives, and Kanban scheduling procedures produces an outstanding On-Time Delivery & Quality result.

**Health & Safety:** IWG High Performance Conductors remains committed to providing an environment for all its employees that is safe and free from industrial hazards. Throughout the organization, from the leadership team down to the individual employee, each and every one is committed to safety. This attitude is prevalent at every level in IWG’s organization at every facility or office that bears the company’s logo.

This commitment is a long-term evolution of continuous improvement that utilizes outstanding inspection procedures, feedback tools and a leadership environment that promotes health and safety in all that IWG High Performance Conductors does.

IWG High Performance Conductors is proud of its safety record, safety attitude and its commitment to taking care of its employees.

**LOCATIONS/CONTACT INFO:**

Corporate headquarters and support personnel including Engineering, Quality Assurance, Research and Development, Sales and Customer Service; the company’s largest manufacturing facility for specialty high-performance conductors:

**IWG High Performance Conductors, Inc.**
1570 Campton Road
Inman, SC 29349 USA
T: +1 864 472 9022 • F: +1 864 472 2727

**HPC Engineering:**
HPCEng@iwghpc.com

**General Inquiries:**
HPCInfo@iwghpc.com

**HPC Quality:**
HPCQA@iwghpc.com

**HPC Sales:**
HPCSales@iwghpc.com

**IWG HPC MinVasive Components**
P.O. Box 129
Trenton, GA 30752 USA
T: +1 706 657 7541 • F: +1 706 657 7540

**IWG HPC European Sales Office:**
Rijksweg 19
B-2870 Puurs, Belgium
T: +32 3 860 91 91 • F: +32 3 860 91 81
**The Lubrizol Corporation**

9911 Brecksville Road  
Cleveland, OH 44141 USA  
Toll-Free: +1-888-234-2366  
E-Mail: engineeredpolymers@lubrizol.com  
Website: www.lubrizol.com/engineeredpolymers

**COMPANY OVERVIEW:**

**The Lubrizol Corporation**

The Lubrizol Corporation, a Berkshire Hathaway company, is a technology-driven global company that combines complex, specialty chemicals to optimize the quality, performance and value of customers’ products while reducing their environmental impact. It produces and supplies technologies to customers in the global transportation, industrial and consumer markets. These technologies include lubricant additives for engine oils, driveline and other transportation-related fluids, industrial lubricants, as well as additives for gasoline and diesel fuel. In addition, Lubrizol makes ingredients and additives for home care and personal care products and pharmaceuticals, and specialty materials, including plastics technology, and performance coatings in the form of specialty resins and additives.

The Lubrizol Corporation is geographically diverse, with an extensive global manufacturing, supply chain, technical and commercial infrastructure. Lubrizol owns and operates manufacturing facilities in 17 countries, as well as sales and technical offices around the world.

**Lubrizol Engineered Polymers**

Lubrizol Engineered Polymers is more than just a leading polymer solutions supplier and manufacturer; we are a proven and trusted partner to our customers. With 50+ years of experience and a worldwide network that includes formulation design, manufacturing, R&D, applications/technical service labs, sales professionals and cutting-edge technologies, we help make our customers’ products a bit more amazing.

Lubrizol Engineered Polymers offer exceptional benefits by bridging the gap between flexible rubber and rigid plastics. Lubrizol Engineered Polymers can be utilized in film and sheet, extrusion, blow molding, injection molding, over molding, calendaring and solution coating processes for applications in the industrial, sports and recreation and electronics industries.

**PRODUCTS:**

Lubrizol offers one of the broadest product portfolios of engineered polymers available today. Manufacturers worldwide turn to Lubrizol as a single, convenient and reliable source for polymer solutions to the toughest application challenges.

**Estane**

Estane® TPU

Estane bridges the gap between flexible rubber and rigid plastics. Estane is a highly versatile, thermoplastic elastomer that can be utilized in film and sheet, extrusion, blow molding, injection molding, over molding, calendaring and solution coating processes.

**Estaloc**

Reinforced Engineering TPUs (RETPU) are tough, high-flex modulus materials providing dimensional stability, paintability with no primers, and excellent adhesion to a variety of overmolding substrates.

**EstaGrip**

EstaGrip is a thermoplastic elastomer that unites soft elastomer overmolds and rigid substrates to endure demanding solutions. EstaGrip offers excellent gripping capability with good adhesion and soft touch.

**Carbo-Rite**

Carbo-Rite conductive compounds and sheet products provide permanent ESD (electrostatic dissipative) solutions to our customers. Lubrizol uses a clean manufacturing environment with state of the art compounding equipment to produce cost effective ESD protective compounds with a high level of consistency from lot to lot.

**Pearlthane ECO**

Pearlthane ECO is a bio-based line of polymer made with renewable material content from 28% of total volume.

**Pearlcoat**

Pearlcoat is a range of special linear polyurethanes used in the melt coating process on textile substrates obtained by extrusion and calendaring.

**Pearlbond**

Pearlbond crystalline TPU is a cost-saving formulation for the production of Reactive Hot Melts (HMPUR), typically used in automotive interior parts, bookbinding, furniture, textile and footwear.

**Pearlstick**

Pearlstick® is a versatile polymer that unites soft elastomer overmolds and rigid substrates to endure demanding solutions. Pearlstick offers excellent gripping capability with good adhesion and soft touch.

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**Pearlthane**

Pearlthane® is a versatile polymer uniquely developed to meet the needs of a wide variety of technical applications, such as specialty film and sheet, pneumatic tubing, timing belts, abrasion resistant hoses, hydraulic seals and other molded parts, including soft touch, non-yellowing, transparent, or high performance technologies.

**Pearlthane ECO**

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**Pearlcoat**

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**Pearland**

Pearland crystalline TPU is a cost-saving formulation for the production of Reactive Hot Melts (HMPUR), typically used in automotive interior parts, bookbinding, furniture, textile and footwear.

**Pearls**

Pearlstick® is a versatile polymer that unites soft elastomer overmolds and rigid substrates to endure demanding solutions. Pearlstick offers excellent gripping capability with good adhesion and soft touch.

**Pearlcoat**

Pearlcoat is a range of special linear polyurethanes used in the melt coating process on textile substrates obtained by extrusion and calendaring.

**Pearland**

Pearland crystalline TPU is a cost-saving formulation for the production of Reactive Hot Melts (HMPUR), typically used in automotive interior parts, bookbinding, furniture, textile and footwear.

**Pearls**

Pearlstick® is a versatile polymer that unites soft elastomer overmolds and rigid substrates to endure demanding solutions. Pearlstick offers excellent gripping capability with good adhesion and soft touch.

**Pearlcoat**

Pearlcoat is a range of special linear polyurethanes used in the melt coating process on textile substrates obtained by extrusion and calendaring.
Nano-Dies enable 100 to 300 Metric tons of Stainless Steel wire to be drawn at +0 (in the normal rod breakdown range of diameters).  

**SALES & SUPPORT:**

Because the developer and manufacturer of Nano-Dies is also a Joint Venture Partner in Nano-Diamond America, support for all aspects of Nano-Die use is very strong.

The sales and marketing of Nano-Dies for customers located outside Mainland China is run from the company’s Charlottesville VA office. This is a great location in its own right, quite apart from its proximity to Mexican, South American, Canadian and European markets. The president Doug Thornton and the marketing and business development manager Chris Thornton are both originally from Australia and highly appreciate the advantages which location in the U.S.A. conveys, as well as taking a personal interest in South East Asian, Australian and New Zealand time zones.

Sales of Nano-Dies are brisk and growing. This product not only brings advantages to users that previous generation dies cannot provide, but Nano-Dies are priced very attractively, in the range 10% to 50% of the price of PCD dies.
MISSION STATEMENT:

Our commitment is to provide the North American wire and cable industry with world class machines and services distinguished by their quality, cost effectiveness, tailored consulting & training, and outstanding after sales service.

Our goal is to ensure our customers success by assisting them in achieving optimum production performance, excellent quality and improved financial results. We will reach success by long-term partnerships with our customers, suppliers and communities.

Our Guiding Philosophies are to have:
- A mutual respect towards customers and employees;
- Integrity and an ethical business conduct;
- Profitable growth and financial stability.

COMPANY HISTORY:

The company was founded in 1859 as “Drahtzieh-Industrie J.M. Bauer”. In 1951, Walter Niehoff changed the name to “Maschinenfabrik Niehoff”. The two German manufacturing facilities are located in Schwabach near Nuremberg and Leuterschach near the German-Austrian border (1961). In 1975, Niehoff started a global expansion program with the foundation of Niehoff-Herborn Maschinenfabrik GmbH & Co. KG in São Paulo, Brazil. In the years to follow, the expansion continued with: Niehoff of America, Swedesboro, N.J., USA (1985), Nippon Niehoff Co., Ltd. Tokyo, Japan (1991), Niehoff of Singapore, Singapore (1992), Niehoff Service Center China, Shanghai, PR China (1995), Niehoff of India plc., Hyderabad, India (1997) and Niehoff Endex, America and Switzerland.

Niehoff of America, Swedesboro, N.J., USA by takeover of the former Endex Bekar Engineering of North America and merger with Niehoff of America (1999). In 1996, Niehoff was granted its ISO 9001 certification. In 1999, the Certification of the Environmental Organization as conforming to DIN EN ISO 14 001 and validation of the Schwabach and Leuterschach sites in accordance with the EC Eco Audit Directive was reached. In 2000, Niehoff CZ s.r.o., Niehoff’s Czech subsidiary was founded. Further highlights in the company’s history were the introduction of data cable pairing and stranding equipment, rotary braiding machines as well as induction annealers (jointly, co-operation company NBM with rolling mill manufacturer Bühl-Würz and annealer specialist Dr. Menge). Niehoff acquired the Bongard wire and cable coil program (2003), started a cooperation with the plant builder Steuler Anlagenbau (2003) and acquired the Hacoba wire rewinding machine program (2004). In 2005, a branch of Maschinenfabrik Niehoff was opened in Moscow, Russia. In 2007, Niehoff and Niehoff of India put into operation a new factory building near Hyderabad, India. In 2009, NBM became a Niehoff subsidiary; in 2010, Niehoff bought over the representation of rolling mill manufacturer Bühl-Würz Kaltwalztechnik and HSFAS, a manufacturer of lead extruders and cable repair and recovery systems. Also in 2010, a completely new factory building was inaugurated at Niehoff’s headquarters in Schwabach, Germany. Opening of Niehoff Machinery Changzhou Co., Ltd (2012).

KEY PERSONNEL:

Arnd Kulczewski, President
Bernd Lohmiller, Executive VP Sales/Marketing
Robert Wild, President & CEO NENA

PRODUCT LINES:

The Niehoff product range includes:
- Rod breakdown lines for non-ferrous metals and their alloys.
- Intermediate & fine wire multilwire lines (copper, aluminum & alloys).
- Ultra-fine wire drawing machines.
- Electric continuous resistance annealers.
- Inductive conductive annealers “NBM”.
- Galvanic wire plating lines.
- Wire spooling and coiling machines.
- Bongard coilers and spoolers.
- NPS single and double spoolers (Niehoff Package System).
- Dismountable NPS multisory spools made of ABS plastic.
- Pay-offs, take-ups.
- Double-twist bunching machines.
- Niehoff rewinding machines “System Hacoba”.
- High-speed vertical braiding machines.
- Double-twist cable stranding machines/lines.
- Cable stranding line accessories.
- Turnkey projects.
- Customized solutions.
- Automation, transport, handling systems.
- The Niehoff-Endex product line includes:
  - Rod breakdown lines for copper
  - Coiling machines for bare and insulated wire

CAPABILITIES:

Our highly qualified and well-motivated personnel work closely with our customers to ensure utmost customer satisfaction. Established partnerships with our suppliers and customers help us achieve our goals and meet our commitments.

Competence, quality, flexibility and service are the company’s strong points. Innovative developments through cooperation programs with reputable suppliers and research partners keep our product range on the technological cutting edge. The minimum/lip rod breakdown machines, continuous annealers for copper & aluminum alloys, environmentally friendly timing lines and the Niehoff Packaging System (NPS) are some representative examples of how Niehoff maintains its competitive edge as world renown leading equipment supplier to the wire and cable industry.

The company invests great efforts in maintaining the high skills of its engineering and work force. Staffs, from all the departments, attend on-site and attractive training courses through continuous education programs.

A comprehensive apprenticeship program is our continuous source of young and talented technicians, and engineers who endure intensive-training programs in their different fields of expertise.

Our customers trust Niehoff’s service department for technical assistance and support. The Niehoff Tele-Service for remote equipment troubleshooting and several well-equipped spare parts warehouses for prompt deliveries are additional advantages for our clients. Niehoff machines and plants are designed to meet environmental and ecological needs.

FACILITY Swedesboro NJ

Niehoff Endex North America Inc. is located in Swedesboro NJ providing 36,000 SQFT for manufacturing, assembly and testing with a show-room area for demonstration and training. Office including engineering adds another 10,000 SQFT.

Agencies of NIEHOFF ENDEX:


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TECNO COMPOUNDS - HPDE DIVISION

As a HPDE member (Hose Product Division Europe) of Parker Hannifin, Tecno Compounds is the Operational facility specialized in the study, design and production of black and colored rubber compounds for the elastomer processing industry.

Tecno Compounds, located in Siziano close to Milan, can exploit vanguard fully automated production plants. For this reason, its production ensures a constant top quality standard.

Tecno Compounds is an industrial reality in a variety of sectors of the Rubber Industry and its ideas, means, commitments and great motivation are the pivotal tools that contribute to bringing the company to success.

TECHNOLOGY

Today a specific Know-how obtained through thousands of formulations allows Tecno Compounds to prepare, also in close co-operation with its customers, formulas that can meet even the most different market requirements. Furthermore, important investments allow Tecno Compounds to develop a remarkable industrial output, to produce the most demanding volumes, as well as flexibility to face any change in market demand promptly and effectively.

The rubber compounds, that can be produced with most elastomers, are supplied in a wide range of packaging solutions, in accordance with the Customer requests, to ensure proper feeding of processing lines.

Constant and total checks conducted during the preparation stage and on the production line ensure absolute conformance of the product to its recipe.

Modern testing labs make it possible to carefully check the product during any stage of the process and allow, through an absolutely reliable computer network, traceability in real time.

PRODUCTS & APPLICATIONS

Products may be supplied in different delivery forms: wig-wag, sheets, stripes and granules. Parker has solutions for most of the rubber product field, working with many industries range including profiles for building industries, insulation and sheathing for LV and M/HV electrical wires, technical articles, such as conveyor and transmission belts, civil and industrial floorings, tires, manufacturing of high and ultrahigh pressure hoses for hydraulic controls as well as in the offshore or onshore oil and gas operations, automotive industry for functional and ornamental components and other technical applications in a wide range of compounds exclusive.

R&D

Thanks to a constant connection between all the R&D activities developed by the Group and more specific activities carried out within Tecno Compounds, the company has reached a leading position in terms of identification of new products and processes.

However, the leadership taken on by Tecno Compounds during many years of commitment is rooted in research activities.

An efficient Center makes it possible to assist the customer early in the design phase, can assure assistance to study the rheological behavior, for physical and mechanical characterization, as well as for the implementation of prototypes relating to industrial processes. The activities of the Research Center are oriented to chemical, physical and instrumental analyses, in order to identify and solve any critic problems that may occur during the processing stage, supported also by the instrumentation such as DSC, TGA, FTIR.

The innovation projects are a key success factor within Tecno Compounds.

Products are developed at an early stage in a close and direct relationship with customers.

Through Winovation Process, Tecno Compounds devote substantial resources to retaining a position at the forefront in research and development and big eorts to foresee tomorrow’s needs for products and solutions. It means “Do the Right Projects and do the Right Process Right!”
MISSION STATEMENT:

Pioneer Machinery is well known in the world (with more than three hundred customers) for making strong and reliable machines. The Pioneer Machinery Sales and Engineering team is committed to supplying the highest level of Customer Service through our people and product.

PRODUCT LINES:

• Extrusion Lines, Telephone & Power Cable Lines
• Wire Drawing Cu / AL – Annealer Machines
• Rod Breakdown Machines
• Down Basket Coiler Machines
• Pointing & Stringing Machines
• Double Twist Bunchers
• Tubular, Rigid & Planetary Machines
• Eccentric & Concentric Tapping Machines
• Capstans, Payoffs, Single and Dual Take ups
• Vertical & Horizontal Accumulators

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COMPANY OVERVIEW:
REELEX Packaging Solutions, Inc. (formerly Windings, Inc.) develops, licenses and supports the proprietary REELEX® method of coiling and packaging wire, cable, fiber optics, tubing and other filamentary products. This technology creates a self-supporting figure-eight wind that allows the product to dispense from the inside-out without rotation, twists, tangles or kinks. The REELEX coil is typically packaged in a cardboard box, though many other package types are available. REELEX Packaging Solutions manufactures and supplies all necessary winding and ancillary equipment to create REELEX coils, as well as supplying packaging materials, worldwide service, and support.

REELEX has over 100 licensees operating in over 140 manufacturing plants worldwide, and has become the standard package for most networking cable constructions as well as several other types of wire, cable and fiber optic products.

HISTORY:
Walter Taylor (1905-1965), the original inventor of the REELEX wind, first conceived of the figure-eight coil as an improved way for combat troops to lay field telephone wire. As a soldier advanced, the wire would dispense from a coil in a canvas container attached to his belt. Unlike spools which had to be stabilized and allowed to rotate, the figure-eight coil could payout without tangles, twisting or rotation - allowing the soldier to carry and fire a rifle with both hands.

During the 1960s and 1970s, REELEX was again called by the military for special projects, and while none were ultimately adopted, REELEX technology continued development as a means for packaging wire and cable. In 1973, Belden became the first cable manufacturer to sign a license agreement and the first to purchase a REELEX machine. With the growth of international telecommunications infrastructure, wire manufacturers began receiving demands from their customers for the new “tangle-free package”. Building on this end-user demand, REELEX continued to gain market acceptance in the US and Canada as the preferred cable package for small telephone and electronic cables, coaxial, data, and alarm and security cable.

Today, there are over 100 licensees operating in over 140 manufacturing plants worldwide, and REELEX has become the standard package for most low-voltage products destined for premises installations.

TECHNOLOGY & NEW PRODUCTS:
The REELEX coiling method cancels twist in the product by using a traverse to guide the product back and forth across the coil while winding. By weaving the product across the width of the coil, the winding process imparts a half-twist in one direction, and then back in the other direction. These twists cancel each other out as the coil is dispensed, resulting in low-tension, smooth payout without any twists, kinks, snags or tangles.

Products dispense from REELEX coils through a payout tube which is inserted into a hole woven into the wall of the coil by the coiling machine. Payout tubes are available in a wide range of shapes and sizes in order to accommodate the physical characteristics of various products. EcoCore® is the newest payout tube system, and replaces the traditional plastic tube with a low-cost cardboard tube called a “core”. This new system is lower cost, highly flexible, environmentally friendly and available for all flexible product types.

The REELEX coil can be packaged in a wide variety of packages, including the new ProFlex® shrink bag. Ideal for end-user lengths of cable, tubing, fiber optics and more, ProFlex is an innovative package that incorporates a heavy-duty handle into a single piece bag made from plastic shrink film. Combining low-waste, low-cost and incredible versatility, ProFlex® represents the “outside the box” innovation that REELEX stands for.

PRODUCT LINES:
• Single & Dual-Head Winding Equipment
• Automated Packaging Machinery
• Payoffs, Dancers and Accumulators
• REELEX Packaging Materials
• Packaging Development, Design and Consultation
• Specialized Tangle and Twist-Free Packaging Solutions
COMPANY PROFILE:
Roteq is synonymous with Rotating Equipment. The company conceives, designs and manufactures rotating equipment for the Wire and Cable, Steel Rope, Umbilical and Flexible pipe industries.
Differentiating manufacturing solution requires understanding of the product and the process as well as the integration of that process into existing plants and specific product factories.
Roteq’s tag line of Product specific solutions with Volume specific hardware defines the thought process in the development of the optimum manufacturing solution.

COMPANY SERVICE:
Parts and Service provides valuable feedback of the performance of its rotating equipment.
It fuels the company’s passion for better solutions for existing equipment while allowing our customers to meet the demands of the product and market. It further provides a vital source of new ideas in the evolution of manufacturing solutions and business models that drive the industry to reduce the time and resources to bring the products to the market.
Keeping Roteq’s customers leaders in their field keeps the company current in its solutions.

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SAINT GOBAIN PERFORMANCE PLASTICS

Saint Gobain Performance Plastics facility in Hoosick Falls, NY, USA, originated in 1956 as Dodge Fibers Corporation, producing PTFE coated glass yarn, glass fabrics and extruded PTFE films for the high performance wire and cable industry. Over the years, the company has seen several changes in corporate ownership from Oak Materials group, to Allied Signal, Furon Corporation, and was most recently acquired in 2000 by Saint Gobain Corporation.

PRODUCT OFFERING:
Saint Gobain offers the widest range of high temperature insulation materials for the wire and cable industry under the Norton® and Chemfilm® tradenames.

Unsintered extruded PTFE films are available in white, natural, standard colors, premium colors and crack resistant varieties.

Expanded low density PTFE films are available for high performance, coaxial cable.

Saint Gobain also produces skived PTFE film in virgin and modified forms, PTFE coated glass fabrics for strength, flame retardant and abrasion resistant properties.

Cast PTFE films provide the ultimate in film quality and consistency. They can also be combined with other fluoropolymers and fillers to enhance bondability, color and laser markability. Polymide, FEP and PFA films provide excellent physical and dielectric properties.

In addition to these high quality materials Saint Gobain offers the most sophisticated slitting and winding technology in the industry. Our equipment provides an unlimited range of program settings to best suit the product and customer needs. Saint Gobain provides the highest levels of experience, Service and Quality to the Wire and Cable industry.

CONTACTS:
District Sales Manager:
Kevin Manchester – 518-383-2801

Customer Service:
Joseph Springer – 518-686-6228

Product Manager:
Neil Fitchett – 518-686-6282
BUSINESS PHILOSOPHY

We are always striving for technological perfection and are well aware that this will be achieved only with close cooperation and free interchange of ideas with customers.

Our declared objective is to design and manufacture complete installed lines for the wire and cable industry, incorporating the most advanced technology and development using the ideas of our staff specialists, coupled with the experiences gained from our customers.

We will continue to create value-added services for customers while continuing to provide high quality products at competitive prices, but most of all we must be responsive to the total needs of our customers.

COMPANY HISTORY

SAMP/USA, Inc., was established in 1976 by its parent SAMP S.p.A. of Bologna, Italy, which for over 75 years has been one of the world’s leading suppliers of wire drawing machines to the non-ferrous and ferrous industry. Since 1936, over 1200 customers on five continents have purchased equipment manufactured by SAMP S.p.A.

Since 1998, the registered trademark “SAMPSISTEMI” refers to several lines of business to which SAMP USA’s customers have access. Machinery and equipment manufactured by SAMP and sold and serviced in North and South America by SAMP/USA, Inc., covers a wide range of products for the non-ferrous wire and cable industry.

SAMPSISTEMI is the proud trademark of a company now in a position to provide equipment, complete systems, machinery and services for all wire and cable products.

PRODUCT LINES

COPPER WIRE DRAWING:

- Drawing lines for non-ferrous metals and their alloys – (rod breakdown, single wire, dual wire, multwire production systems)
- Continuous resistance annealers
- Payoffs and take-ups
- Static spoolers
- Stem coilers
- Double twist bunching machines

EXTRUSION:

- Telecom and Datacom Cables – Telephone and LAN cables insulating and Jacketing lines
- COAX, CATV and RF products insulation lines
- Physical foaming technologies
- MV-HV Catenary lines for power cable
- LV, building & automotive wire – Insulation and sheathing lines for building, automotive and aeronautical, electronic wires and cables
- Power cable lines for insulating and jacketing
- Wire and Cable Handling – range of single, portal payoffs and take-ups
- Automatic dual take-ups and coiling equipment
- Line accessories and Components

SPECIAL SERVICES:

- SAMP USA, Inc. services North and South America
- Technical assistance – Electrical and mechanical technicians on staff with a seasoned technical manager
- Spare Parts – over one million dollars inventory
- Training assistance in any process problem you may have
- Full consultation to discuss production and process requirements
- Complete system & project management

NEW DEVELOPMENTS:

- RBL 1 Rod Breakdown line for CU and AL integrates technologies such as torque motors and CNC controls, as well as cast polymer frame to provide unmatched reliability and precision, as well as substantial energy cost savings.
- AN 600 H Horizontal resistance annealer for Rod Breakdown application, independent driven axles with brushless motors designed to provide a high power factor of 0.95 to eliminate energy waste.
- MV-HV Catenary Extrusion lines up to 220 kW for continuous application of XLPE and EPR for power cables.
- PT3000 – PT5000 New family of self-traversing portal pay-off and take-ups for power cable lines.
- New Multwire family of MT80 and DM105 with independent driven axles, torque motors, annealer with independent driven axles, HMI system and more.
- POWERPACK drive for extruders. The fully integrated package is fitted with highly efficient torque servo-motors. With less wear parts, water cooled gearbox and motor, the system brings down the total cost of ownership.

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KEY PERSONNEL:

SAMP USA, Inc.

Marco Gerardo:
Vice President
Sales & Services

Keith Sasso:
Sales Area Manager – North America

Sandy Scroggs:
Technical & Service Manager

Tim Walter:
Spare Parts Manager
**COMPANY HISTORY:**

Sark-USA has been operating out of its Albany, NY, USA facility since 2009. The new plant, Sark Wire Corp., includes a state-of-the-art manufacturing facility, warehouse and office space, all on four acres, which delivers quality product with maximum efficiency while allowing for future expansion.

Locating a manufacturing plant closer to the company’s growing customer base in the United States allows Sark to serve a variety of industries locally, while offering customers a greater range of products and quicker lead times.

With the company’s deep knowledge and know how, the Sark team is able to develop manufacture and innovate, new and advanced products ranging from a variety of applications such as industrial, military, aerospace, marine and communications.

Sark Wire’s parent company, SARKUYSAN, located in Turkey, has a capacity of over 450,000 million pounds annually. SARKUYSAN has been exporting its high quality copper, and copper alloy conductors to 60 other nations, for over 35 years.

Additionally, Sark Wire Corp. is dedicated to a high level of excellent customer service.

Should you require more information about SARKUYSAN, Sark Wire and Sark-USA and its activities, please feel free to contact us.

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**PRODUCTS:**

Sark Wire offers reliable supply of a full line of bare and tin-plated copper wire products at competitive prices.

Sark Wire products including the following:

- Single End
- Bunched Wire
- Multiwire
- Stranded
- Ropelays
- Concentric & Unilay Conductors

**CAPABILITIES:**

Sark Wire will be happy to work with your existing specifications or the company’s technical staff will assist you in designing a product for your specific application. When it comes to custom wire, Sark’s quality, experience, service, competitive pricing and quick turn-around capabilities are second to none.

Sark’s worldwide capabilities include the production of single ends, as fine as 44 AWG, put up singularly, or as multiwire. Our stranding capabilities include all concentric types including bunched wire, unilay and ropelay conductors, as large as 750 MCM. All of our products are available in unplated, tin-plated and nickel-plated qualities.

**QUALITY:**

Sark Wire Corp. is certified to the ISO 9001 standard.

**SALES OFFICE:**

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MISSION STATEMENT:
We shall always build the
customer satisfaction levels.

SIKORA AG, headquartered in Bremen,
Germany, represents one of the world’s
leading manufacturer of measurement,
control, inspection and sorting technology
for the wire, cable, hose, tube and plastics
industry today. With 200 employees world-
wide, SIKORA has a large global presence
and excellent international reputation for
superior technology.

SIKORA International Corp., a regional
office for SIKORA AG, is the support and
sales center for all SIKORA activities within
North and South America. The office carries
a full range of spare parts for all installed
equipment within the Americas. Combining
the spare parts program with the service
staff and the mission to always enthuse our
customers has resulted in extremely high
customer satisfaction levels.

Milestones in history:
The company’s success story started in the
early 1970s with innovative non-contact measur-
sing systems and the use of CCD linear sensors
for diameter measurement.

In the early 1990s SIKORA delivered the
first X-RAY 8000 to measure wall thickness of
multiple layers as well as diameter, ovality
and eccentricity of a high-voltage power cable
directly after the extruder crosshead in the CV-
tube. A strong partner in the high-voltage cable
production became the CSS 2, which provides
online supervision of the XLPE material in the
flow channel directly before the crosshead.

In 2002 SIKORA transformed the GmbH
into a stock company. Also at that time, SIKORA
presented the CENTERVIEW 8000 for 8-point
eccentricity, 4-axis diameter and 8-point ovality
measurement and took the success of the X-RAY
8000 into the field of jacketing and insulating
lines with the development of the X-RAY 2000,
a series of devices which is suitable for hose and
tube extrusion lines as well.

Since then the most recognized measuring
system in the industry, X-RAY 8000, has been
succeeded by the X-RAY 8000 NXT. The X-
RAY 8000 NXT came to market with a number
of upgrades, one being ceramic and NTX (Non
Toxic X-ray) windows.

Two years later, the X-RAY 2000 series was
upgraded to X-RAY 6000 with technical ad-
vances, including eXtra-Long-Life (XLL) X-ray
tubes, selectable measuring rates and a broader
supply of specific measuring systems such as the
X-RAY 6020 for ultra small products or the X-
RAY 6000 TRIAX for triple-axis measurements.

In 2010, SIKORA again raises the bar with
a number of new devices: The LASER Series
6000, a PE melt temperature measuring system,
was introduced. To complement the extensive range of measuring
equipment SIKORA is offering the ULTRATEMP
6000, a PE melt temperature measuring system,
specifically tailored to the production of XLPE
insulated power cables.

In the course of its 40th anniversary in 2013,
SIKORA presented the PURITY SCANNER,
a system for the online inspection and sorting
of plastic pellets used for the insulation of medium-, high- and extra-high voltage cables,
but as well for other applications such as the
medical industry. With the PURITY SCANNER,
contaminated pellets are detected and sorted out, assuring that only pure pellets get
into the extrusion process. The pellet inspection
allows the detection of organic and metallic
contamination inside the pellet as well as on
the pellet surface, using a special combination
of X-ray technology and an optical system. The
smallest detectable particle size is 2 mil (50 µm)
at a flow rate of up to 4,400 lbs/h (2,000 kg/h).

You find us, where you need us
SIKORA AG has set up local sales & service
offices in the USA, Brazil, China, France, India,
Italy, Japan, Korea, Russia, Turkey, United Arab
Emirates and the Ukraine. With these offices,
working in conjunction with more than 30 re-
gional representative agencies, SIKORA ensures
a global customer support.

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MISSION STATEMENT:
SIMPACKS is dedicated to providing excellence in Manufacturing and Design of Coiling, Spooling, Wrapping and Packaging Solutions for the Wire & Cable Industry.
SIMPACKS manufactures customized Systems to meet market demand and customers requirements.

PRODUCT LINES:
- Automatic Single Head Coiler Machine
- Automatic Coiling + Strap 2/4 Machine
- Automatic Dual Head Coiler 6-8 CPM Machine
- Automatic Dual Spooler Machine
- Automatic Coiling + Wrapping Machine
- Crossing Winder for LAN Cable Machine
- Thermoshrink Machine

• Auto Palletizing Machine
• Horizontal & Vertical Accumulator
• Motorized Payoffs & Take ups
• Tension Control

PRODUCT CONFIGURATION:
Our Coilers can run:
- Round or Flat Cable
- Solid or Stranded Cable
- Telephone Cable
- Battery Cable
- Armored Cable
- Service Drop Cable
- Annealed Steel Wire
- Special Cable
- Rubber/Plastic Hose

MANUFACTURING & CAPABILITIES:
SIMPACKS Engineering works closely with the customer to ensure that the System supplied meets their exact requirements. We incorporate the most innovative Design and Manufacturing Technologies.
The following Controls can be chosen by the customer: Allen Bradley, Siemens, Telemecanique, Eurotherm, Control Technique, Mitsubishi, Omron and more.
Every system comes with PLC and Color Touch Screen built-in Control, Monitoring, Alarms, Troubleshooting and Recipe.
Options available: Automatic Coil Height and Kick out station.

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Brasil Sales & Service Office:
Cancun Consult
Tel: +55 19 32446641
e-mail: Christian@cancunconsult.com
COMPANY HISTORY:

 Teknor Apex Company

 Founded in 1924, Teknor Apex Company is a privately held company with eight divisions operating in 13 locations. With headquarters in Pawtucket, Rhode Island, Teknor Apex Company is a custom compounder of advanced polymer materials. Three divisions of Teknor Apex, its Vinyl Division, TPE Division and Teknor Color Company, serve the wire and cable industry directly.

 Vinyl Division

 The Vinyl Division of Teknor Apex Company has over 65 years of experience in the plastics industry, and has been a supplier of wire and cable compounds for most of this time. Employing the most stringent quality standards, Teknor Apex manufactures custom compounds that meet or exceed the rigorous requirements of Underwriters Laboratories and other industry, government, and military specifications. These compounds are designed to optimize processing for wire and cable applications.

 VINYL DIVISION KEY PERSONNEL:

 Lou Cappucci
 Vice President
 Business Manager

 Mike Patel
 Director of Marketing
 and Business Development

 Rod Fischer
 Director of Sales

 Mike Roberts
 Industry Manager,
 Wire & Cable Compounds

 PRODUCT LINES:

 Among the broad range of wire and cable products available from the Vinyl Division are:

 1. FIREGUARD® plenum compounds
 2. FLEXALLOY® PVC elastomers
 3. APEX® PVC compounds
 4. HALGUARD® halogen-free compounds
 5. Conductive PVC and polyolefin compounds

 All Teknor Apex Compounds Are RoHS & REACH Compliant

 Comply with various directives using our wide selection of RoHS and REACH compliant compounds. Choose from extrusion or molding grades for all applications featuring:

 - Broad range of temperature ratings and hardnesses.
 - Grades for clarity, sunlight resistance, oil-resistance and specific flammability requirements.
 - Superior processing, physical properties, electrical performance and price.

 Available from Teknor Apex plants in the U.S., European manufacturing partner, Singapore and Suzhou, China.

 PRODUCTION FACILITY LOCATIONS:

 Teknor Apex Company Vinyl Division maintains production facilities in:

 - Pawtucket, RI
 - Brownsville, TN
 - City of Industry, CA
 - Fountain Inn, SC
 - Jamestown, NC
 - Singapore
 - Suzhou, China

 Teknor Apex Company

 Vinyl Division
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 Tel: (401) 725-8000
 Fax: (401) 729-0166
 Web Site: www.teknorapex.com
 E-Mail: wirecable@teknorapex.com

 Teknor Apex Asia-Pacific

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 Tel: (65) 6265-2544
 Fax: (65) 6265-1821
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 E-Mail: infotaap@teknorapex.com

 Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Ltd.

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Fax: +61 3 9699 2726
Website: www.tucks.com.au
E-Mail: rlivori@tucks.com.au

**“We Provide Breakdown Service and Advice 24 Hours A Day – 7 Days A Week”**

**ONE-STOP-SHOP FOR WIPIES & SEALS:**
Tuck’s Industrial Packings and Seals is your one stop shop for Wire Pad Wipes of every type including static Seals for Furnaces and Boiler Doors.

Tuck’s is very flexible by nature we provide solutions, specially built products for your application. Our history and long term experience in the Industry allows us to develop products and solutions for all applications. We can work with clients and show huge cost savings.

**COMPANY PROFILE:**
Established in Melbourne in 1898, we were the first Company to manufacture Specialized Seals and Wire Pad Wipes in Australia and in the Southern Hemisphere. We are considered a market leader in the manufacture and supply of what we believe to be the most innovative and comprehensive range of proprietary Wire Pad Wipes & Static Seals in the world.

With our manufacturing facility in Melbourne, we are able to provide immediate service to local, national and international companies that require Wire Pad Wiping and Seal Solutions. Tucks currently exports and offers advice to many Companies in Countries around the world.

Every Country every client has their own specific needs and perceived perceptions, we offer products to suite client’s needs. We pride ourselves in looking at specific individual problems, and then through detailed consultation with clients we proprietary develop cost effective seal solutions.

Tucks is unique in the Wire Pad Wipe field, we manufacture, not one style but several styles and constructions of Wire Pad Wipes, including Braided Type as well as Calendared Pad Wipes.

Ray Livori CEO of Tucks states that “we have found that our customers have been exposed to several types and compositions of Wire Pad Wipes, but have found that Calendared Pad Wipes seem to last much longer than Braided Pad Wipes and give a much more smooth and shiny finish, because they are denser, and don’t compress as much. Braided Pad Wipes seem to look and feel dense, however due to its construction being braided they are in fact very compressible resulting in having to change Wire Pad Wipes more often and quicker than calendared Pad Wipes. Ray Livori further states we supply what the client wants, and we make recommendations based on many years of experience. We can manufacture and supply all types, Calendared or Braided and in particular various Hardness’s of Calendared Wire Pad Wipes. We use many different types of Raw Materials to achieve long Gevity Wire Pad Wipes. Longer lasting Wire Pad Wipes give a far effective wipe and shiny finish says Ray Livori. This comes from many years of experience.

**PRODUCT LINES:**
Tuck’s currently supplies a large range of products and holds contracts and agreements with the following industries: Oil & Gas, Pulp & Paper, Petrochemical, Power Generation, Mining, Marine, Steel & Aluminum, Water/Sewerage Authorities, Chemical Manufacturing, Boiler Manufacturing/Service, Food & Beverage, Valve & Pump OEMs.

Combining experience and research, Tuck’s is able to provide technical and commercial solutions to any fluid sealing and thermal insulation problem.

We at Tucks operate a Quality Management System to AS/NZS ISO 9001:2000 Certification No. QEC5793.

Our general product lines include the following:


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REEL OPTIONS®:
Manufacturer of low cost single use reels for a variety of products including building, communication and fiber optic wire.

COMPANY HISTORY:
Established in Richmond, Indiana, in 1972 by Mr. Bruce Elder, Vandor Corporation initially specialized in custom die cutting of chipboard and corrugated fiberboard products. We devoted our attention to the packaging needs of the electrical connector industry and developed several corrugated fiberboard reels that use paper wrapped cores. Enjoying success with these led us to explore further the needs of similar industries including wire and cable, cordage and hose. Vandor has a proven track record of successful product development with over 20 years experience assembling millions of reels per year.

In 1995, Vandor Corporation began extensive experimentation with the use of post consumer materials. Developing so many new reel products, the company established a separate Reel Options® brand.

Vandor Corporation’s primary goal in offering Reel Options® is to provide engineered product protection with the least amount of material usage, design reels that are easily assembled and make them available assembled or KD directly from Richmond, Indiana. And as plywood costs rise, we aim to continue as the leading supplier of plywood replacement reels.

WHAT’S NEW?
1. SPIN~WELD mono material utility spools now available in 6.5", 10.5" & 12" flange sizes. End stands with EZ-BRAKE™ System available for 10.5" flanges.
2. Plastic tube extrusion–all plastic cores available from 1.875" up to 6" diameters.
3. 3~FLANGE Reels now available in 14", 19.75" & 23.75" with molded-in notched center flange to prevent cuts or snags in the transition area.

CAPABILITIES:
The customers of Vandor Corporation appreciate the broad flexibility of the Reel Options® product line while paying only for the level of protection and strength they really need. Vandor Corporation’s product line is made possible through the combination of various manufacturing methodologies which include injection molding machines up to 1000 ton capacity, custom die-cutting using clamshell, flatbed or roller type presses, plastic pipe extrusion and CNC plywood cutting capabilities.

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Web Sites:
www.ReelOptions.com
www.vandorcorp.com
Stolberger Inc. d/b/a Wardwell Braiding Co.
1211 High Street
Central Falls, RI 02863 USA
Tel: +1 401 724 8800 • Fax: +1 401 723 2690
Web Site: www.wardwell.com

COMPANY HISTORY:
Stolberger Inc. is the new owner of the technology and equipment known in the market as Wardwell.
The history of the company is, therefore, best told from that perspective.

Wardwell was founded in 1911 by industrialist Simon Willard Wardwell. A visionary thinker, he was awarded 170 patents on a variety of creations including a sewing machine, stamped wrenches, and a winder for Universal Windling Machine Co. Wardwell was granted thirty-seven patents for his braiding machine technology alone.

The history of Wardwell Braiding Co. is closely intertwined with that of the braiding industry itself. A dramatically higher speed threshold was reached in the 1970’s when Wardwell engineers adapted their original deflector principle to build the first braiders to run at 150 rpm. That benchmark would not be eclipsed until 2002 when Schnellflechter Berlin, a member of the same group, introduced the first braider to run at 180 rpm.

Wardwell, together with Spirka-Schnellflechter as part of the SKET Group, offer the most comprehensive program of shielding equipment in the market. The program includes braiders of deflector design, lever and maypole style sold around the globe for wire and cable, hose, medical and textile applications.

The industry-leading line of winders and payoffs, previously developed in Italy is currently produced in Germany and available through both members of the group.

KEY PERSONNEL:
Johann E. Wilms, Managing Director
John N. Tomaz, Vice President
Harald Baumbach, European Sales

PRODUCTS:
Braiding Machines
Maypole style: B9-8, 12, and 16 C
B10-3-144 C
CBI-16, 24, 32, 36, 48 and 64 C

Rotary Deflector
Speedmaster – 16 and 24 C
Rapid Braider – 16 and 24 C

Rotary Lever Arm
Dratex – 12, 16 and 24 C
Spirka – 12, 16 and 24 C
Unidra (horizontal) – 24 C
Fol (vertical and horizontal) – 16, 24, 32 and 36 C

Spiral Winders
DW Series – 6, 8, 12, 18, and 24 C
Helix type 6036 – 18 and 36 C

Bobbin Winders
Semi-automatic – 2, 3, and 4 spindles
Automatic – 2 and 4 spindles
Automatic (wire splitting) – 2 and 4 spindles

Payoffs for winders
Static
Unrolling (single wire)

Dynamic (single wire)
Dynamic (multi-wire)
Accessories
Longitudinal tapering
Spiral tapering
Payoffs
Take-ups
Dancer systems

SALES OFFICES:
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Germany
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Fax: +49 30 549918 45
E-mail: Info@spirka-schnellflechter.com
Agency Network
Please see agent contact information for your respective country on our website.

Company Profile:
COMPETENCE AND INNOVATION IN BRAIDING, SPIRALING AND SPOOLING MACHINE PRODUCTION
SPIRKA SCHNELLFLECHTER GMBH, a member of SKET since July 1, 2009, has re-established itself as a leading provider of braiding, spiraling and winding equipment and accessories for the entire range of shielding equipment in the market. The company now offers a comprehensive program of high-pressure hoses, was pursued.

As a result of a very highly user-oriented development, the Group has become one of the leading providers of lever braiding machines for medical catheters and has delivered more than 150 braiding machines for this purpose.

The development of the multi-wire braiding technique and the demand of many customers for technological solutions from one provider were the initial spark for integrating fully automatic spooling machines with up to four spindles for split wires as well as the corresponding multi-wire outlets with dancer control into the delivery program in addition to the existing range of semi-automatically and fully automatic winding machines as well as overhead payoffs, passive and driven payoffs.

The incorporation of SPIRKA SCHNELLFLECHTER and WARDWELL into the SKET Group and its production program of stranding machines (SKET and STOLBERGER) and wire drawing machines (HENEICH) helps to offer the worldwide clientele a comprehensive range of machines from a single provider.

KEY PERSONNEL:
H. Wilms, Managing Director
H. Baumbach, GM and Sales
J. Tomaz, North American Sales

PRODUCTS:
Rotary Lever Arm Braider:
Dratex – 12, 16, 24 C
Spirka DF – 12, 16, 24 C
Fol – Braider, 16, 24, 32, 36 (Cylindrical & Horizontal)
Unidra – 24 C (Horizontal)

Spiral Winder:
DW series – 6, 8, 12, 18, 24 C
Helix type 6036 – 18 and 36 C

Bobbin Winders:
Semi-automatic – 2, 3, and 4 spindles
Automatic – 2 and 4 spindles
Automatic (wire splitting) – line-2 and 4 spindles

Payoff for Winders:
Static
Unrolling (single wire)
Driven (single wires)
Driven (multiwires)

Accessories:
Payoff and takeup for braider
Longitudinal tapering
Dancer systems

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USA
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E-mail: mail@wardwell.com
Agency Network
See under: www.spirka-snellflechter.com

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### MISSION STATEMENT:

The mission of Wyrepak Industries is to develop, manufacture and market reliable, cost-effective industrial equipment. This mission is supported by our dedication and commitment to quality. Each individual employee, at every level, takes responsibility for the company’s success by respecting and understanding each other’s role and its impact on our customers.

Our company’s success is dependent on delivering the highest quality product at an affordable price to meet the customer’s full expectation.

### COMPANY HISTORY:

Wyrepak Industries began serving the Industrial market in 1954 in the city of Bridgeport, Connecticut.

In 1999, Wyrepak acquired Watkins U.K. and a new company, Wyrepak-Watkins Ltd., was formed.

In 2002, Wyrepak’s U.S. office was relocated to Middletown, Connecticut.

In 2012, Wyrepak Industries was purchased by Huestis Machine Corporation and relocated to Bristol, Rhode Island.

### Wyrepak brand equipment

Wyrepak brand equipment will be sold by Huestis Industrial as a separate product line complementing Huestis Industrial products and offering the customers more choices in machines and ancillary equipment to meet the manufacturing needs of the customer.

Wyrepak has a reputation for rugged, simple designs that work and are long lasting.

If you have special requirements or questions, please contact us and we will be happy to discuss ways to supply you with equipment that will meet your needs.

### CAPABILITIES:

Our products have earned a reputation for dependability and rugged design.

This success is the result of practical, innovative engineering and extensive in-house machining and assembly facilities including the most current CNC turning, milling, drilling and automated machining technology and equipment.

### KEY PERSONNEL:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Howard Fancher</td>
<td>Director of Business Development</td>
</tr>
<tr>
<td>Steve Bettencourt</td>
<td>Engineering</td>
</tr>
</tbody>
</table>

### PRODUCT LINES:

- Pay-offs
- Tension Controls
- Pulleys & Sheaves
- Adjustable Payoff Stands
- Buncher Payoff Stands
- Ancillary Equipment

### SALES OFFICE:

**Wyrepak Industries**

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Bristol, RI 02809-0718 USA

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E-Mail: sales@huestis.com  •  Web Site: www.wyrepakind.com
COMPANY PROFILE:
YMC is dedicated to serving the Wire & Cable industry with innovative products that increase productivity, improve product quality and reduce operating costs. YMC specializes in wire and tape break detection products, braiding and shielding machinery and replacement parts for Wardwell braiders.

NEW PRODUCT ANNOUNCEMENT:
Yield Management Corporation, Monson, MA USA has released a new product for detecting wire breaks on tubular stranding machines. The system verifies the correct number of wires at the collecting die at speed up to 7000 RPM.

The operator enters the expected number of wires and the system counts the wires each revolution. If the count varies from the set point, the machine is shut down. Center wire detection is verified by monitoring the internal spool rotation.

The kit is simple to install and operate and allows for “lights out” manufacturing with confidence that the machine will shut down if a wire break occurs.

For more information, send an email to sales@yieldmanagementcorp.com

WIRE BREAK SOLUTIONS:
YMC has released a new product line for detecting wire and tape breaks. The innovative principle is to monitor individual spool rotation each machine revolution. This method is considered fail safe and is independent of material or conductivity. These products do not use slip rings or expensive and troublesome radio frequency transmitters but rather optical sensors mounted outside the machine’s rotation. The YMC system actively monitors each spool’s rotation and detects a broken wire before the break reaches the collecting die. Early detection enables the machine operator to repair the cable and results in a significant increase in productivity. Users of the YMC solution manufacturing power cable report that instances of “short lengths” and scrap have been eliminated. YMC has installations on Rigid Frame and Planetary Cabling machines, Tubular Stranding machines, Armoring machines and taping lines worldwide.

BRAIDING SOLUTIONS:
YMC supplies “deflector-less” high speed wire braiding machines that increase the range of braid wire from diameters as small as 44 AWG to strands with high end count up to 12 ends. The braiding machines are available in 16 and 24 carrier models and are sold as complete machines or braiding heads that mount on existing Wardwell frames.

YMC also manufactures the award winning Low Bobbin Detector for braiding machines. The Low Bobbin detector contributes to material savings, reduction in finished goods scrap and increased productivity. The Low Bobbin detector stops the machine just before a bobbin is completely depleted; reducing braid defects that result in failed spark tests following jacketing and finished goods scrap. YMC manufactures Low Bobbin Detector models for Maypole, Lever Arm and Rotary braiding machines.

REPLACEMENT PARTS FOR WARDWELL BRAIDING MACHINES:
YMC manufactures replacement parts for Wardwell Rotary Braiding machines. Parts published in the YMC catalog are generally available for immediate shipment from stock. For current catalog and pricing, contact YMC by email at sales@yieldmanagementcorp.com.

YMC offers a Roller Ring traverse kit for Wardwell braiders that improves the user’s ability to build parallel reels. Produces of coaxial cable report reduced SRL spikes and scrap. The kit is designed as a direct replacement to Wardwell’s screw traverse and is available in custom traverse lengths.

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High-speed strand counter (above) and high-speed strand counter sensor (below).
MISSION STATEMENT
The ZUMBACH Group, in partnership with our customers and suppliers, is committed to providing the most accurate, reliable and comprehensive industrial gauging, process control and quality/production data acquisition solutions. All our efforts are dedicated to achieving customer satisfaction by delivering the maximum return on investment to every user of our products.

COMPANY HISTORY
Zumbach Electronic, founded in 1957 by Bruno Zumbach, is an international privately owned group of companies and a leading manufacturer of in-line measuring and control equipment for wire, cable, plastics, rubber, steel and metals. ZUMBACH is a pioneer in in-line measurement systems, based on various technologies, such as laser, ultrasonics, x-rays, etc. and holds a number of international patents and trademarks. Solutions for the wire and cable industry were developed, laying the base for world-wide market penetration. Many new products have been developed and technology has been added throughout the years. ZUMBACH entered the U.S. market in 1970 with eccentricity and wall thickness measuring systems. To better serve the North American market, ZUMBACH Electronics Corp. was founded in May 1976.

PRODUCT LINES
• USYS IPC family of universal process control and data acquisition systems complete with Sigma Expert and CPK Pilot to optimize material savings, with graphic user interface supporting a wide range of configurations, solid state regulating devices, SPC/QC data acquisition, Ethernet port for plant-wide networking and more.
• ODAC® high resolution scanning diameter measurement instruments for dimensions from 0.0005 in. (0.012 mm) to practically any size utilizing most modern laser scanning technology, 1-axis, 2-axis, 3-axis or multiple plane gauges are available.
• CAPAC® capacitance measuring systems, Fast Fourier Transform (FFT) analysis software and SRL prediction up to 6.5 GHz.
• KW lump/neckdown detectors capable of spotting geometrical non-uniformities.
• MSD low cost non-contact diameter and ovality measurement gauges, based on linear sensor technology. New and unique concept of up to 8 light sources.
• ODEX® ultra advanced concentricity, diameter and ovality gauge for LAN, telephone and coax cables.
• UMAC® ultrasonic wall thickness and eccentricity measuring, monitoring and control systems for hollow plastic products or of cable jackets during the extrusion process.
• PROFILEMASTER®, accurate in-line profile measuring and monitoring system of product geometry, using light section principle and machine vision.
• WST TEMPMASTER inductive wire preheaters used to enhance the uniformity of insulated wires and cables.
• AST/DST spark testers sensing for defects (bare spots/pin holes) of the wire insulation with test voltages up to 40'000 V.
• SIMAC® surface quality inspection system with CCD cameras & image processing.
• RAYEX® X-ray system for the measurement of wall thickness, eccentricity, diameter and ovality of multilayer cables, pipe and hoses.
• LSV non-contact precision speed and length laser surface velocimeters with zero speed, direction detection.

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COMPANY PROFILE
AW Machinery (AWM) is a North American manufacturer and integrator of machinery and control systems. Although our primary line of machinery is used in the manufacture of electrical wire, electrical cable and fiber optic coating, AWM also manufactures and produces equipment used in other applications including Tube and Hose manufacturing, rewinding / re-spooling, other extrusion applications, etc.

AWM designs and fabricates electrical control systems used in its machines and for various other applications. Digital Touch Screen Control systems design & panel fabrication is a specialty of AW Machinery. Our systems are fully integrated with “state-of-the-art” line controls which range from basic analog line control through fully computerized line management systems with features such as data logging, SPC, trending, recipe management, etc.

In 2003, AWM purchased the engineering information (entire library of project files and designs) and inventory formerly owned by Viteck Inc. and now provides a complete line of equipment for both plastic insulating, and, continuous cure CV insulation of wires and cables from Fiber Optic through Power Cables. Machineries for other industries are also manufactured and supplied by AWM. Our mission is to provide quality machinery and service at an affordable price.

PRODUCTS & SERVICES
AWM is an experienced manufacturer of equipment and systems to meet the diverse requirements of the electrical wire and cable industry, such as:
- Complete Extrusion Lines and Systems for: Telephone and LAN Cables; Power Cable—CV Lines; Optical Fiber Coating; Building Wire; Automotive Wire; Appliance Wire; Medical Tubing; Specialty Cables, etc.
- Machinery: Flyer Payoffs & Cones; Motorized Payoffs; Single Reel Take-ups; Dual Reel Take-ups; Spoolers; Multi-pass Cooling Capstans; Belt Wrap Capstans; Tension Controllers; Tension Brakes; Cooling Troughs; Air Wipe Boxes; Electrical Control Panels; Horizontal & Vertical Accumulators; Dancers; Water Temperature Control Systems & Tanks; etc.
- Fiber Optic Coating Machinery: Payoffs; Take-ups; Buffer Lines, etc.
- Turnkey Laboratory & Small Extrusion Lines.
- Technical Field Service.
- Spare Parts.

AWM’s experienced engineers will design your system utilizing high quality AWM equipment combined with industry accepted components available from well established OEM suppliers and commercially available products. The system will then be fully integrated with “state-of-the-art” line controls, which range from basic analog line control through fully computerized line management systems with features such as data logging, SPC, trending, recipe management, etc.

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E-mail: info@advaris.com • Website: www.advaris.com

COMPANY PROFILE:
ADVARIS Informationssysteme GmbH in Bruchsal, Germany, is an internationally operating software and consulting company for cable manufacturers with highly varied products and production processes that cannot be handled easily with conventional standard software solutions. In the marketplace since 1997 ADVARIS is best equipped with an experienced team of IT specialists, and with a high level of business expertise in the cable and wire industry.

PRODUCTS:
The ADVARIS Cable Solution supports the entire business process for the technical, commercial and logistical order handling of a cable plant. The offering contains modular solutions for:
- Cable Design & Costing
- Manufacturing Execution and Quality Assurance
- Warehouse Management
- Sales & Distribution
- Plant Maintenance

The modules can be used in addition to an existing ERP system or as an integrated solution from a single source. The length-based system design from start to finish and excellent industry know-how characterizes this unique, truly comprehensive, specialist solution for cable and wire manufacturers. ADVARIS’s functional modules guarantee highest possible integration of processes without the need of installing costly interfaces. From the first customer contact to Quoting, Production Planning, Shop Floor Control, Shipping and Invoicing, industry-focused functionalities are therefore at hand.

CAPABILITIES:
ADVARIS stands for a high level of Transparency, Speed, Flexibility, Quality and Productivity in logistics and manufacturing processes and therefore ensures sustainable competitive advantages.

CUSTOMERS:
ADVARIS customers range from global players to highly specialized small and medium companies in Europe, Middle East and the USA. Both smaller solutions for sections like shop floor data collection or production scheduling and the implementation of complete enterprise solutions can be realized.
ATOMAT GROUP
Strada di Oselin 16 int. 17
33047 Remanzacco (Udine), Italy
Phone +39 0432 648511
Fax +39 0432 667101
E-mail: info@atomat.com
Internet: www.atomat.com

COMPANY PROFILE:
Atomat Group, since 1964 one of the largest manufacturer of rolls for cold and hot rolling, Equipment for roll maintenance and mills for tube production can provide:
• Design and manufacturing of steel and tungsten carbide rolls for several applications: welded tube, steel hot and cold rolling, Copper and aluminium rolling, rolls for heating elements.
• The most advanced CNC machines and turn-key roll maintenance shops for long products steel rolling mills—from bars to sections, rails and large beams—and cold wire mills including cassettes and microcassettes maintenance.
• Design and manufacturing of welded tube mills for quality demanding applications.
• Prompt and easy assistance for mills and roll maintenance thanks to several companies distributed in the world for regional service and product manufacturing as well to ensure worldwide the Atomat quality at competitive prices.
• Top quality granted by the control of each single step in the roll production thanks also to the group synergy. In fact the Carbides that are utilized for the roll production are sintered exclusively by a member company of the Group: Multicarb Srl that produces rolls and wear resistance inserts in Tungsten and Titanium carbides both by Vacuum or HIP sintering and only by using virgin powders of the major suppliers.

THE GROUP:
The group includes eight companies distributed in five different countries. They are:
• ATOMAT SPA – Italy: rolls, CNC machines and tool production
• MTM – Italy: one of the largest and reputed welded tube mill producer
• MULTICARB SRL – Italy: sintering plant for Tungsten Carbide production
• GIANA SPA – Italy: one of the most reputed Turning lathe producer
• ATOMAT KOBARID D.O.O. – Slovenia: rolls and guide rollers producer
• RETING S.A. – Spain: roll production and maintenance service
• ATOMAT INDUSTRIE S.A.N. - Turkey: roll production and maintenance service
• ATOMAT SERVICES INDUSTRIAL LTD – Brazil: roll production and maintenance service

SALES OFFICE:
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Fax +39 0432 667101
E-mail: info@atomat.com
Internet: www.atomat.com

AUGUST STRECKER GmbH & Co. KG
Elektro-Schweissmaschinen-Fabrik
Headquarters: Jahnstrasse 5
D-65549 Limburg/Lahn, Germany
Tel: +49 6431 96 10-0 • Fax: +49 6431 44 22 1
Email: sales@strecker-limburg.de • Internet: www.strecker-limburg.de

COMPANY PROFILE:
Founded in 1953 by engineers Kurt Grabe and August Strecker, the company has been enjoying an excellent reputation in the industry being the acknowledged leader in buttwelding equipment for almost 80 years. Since 2007, the company is owned and directed by the STOCK family. Senior president Rainer Stock has been with STRECKER for more than 40 years. Both his sons Bernd Stock and Michael Stock have a sound background in mechanical engineering and many years of experience in the industry. 75 employees work on company-owned premises in the city of Limburg, conveniently located abt. 70 kms from Frankfurt/Main, Germany. STRECKER welders are well represented in many renowned national and international wire and cable factories and are known for their reliability and performance. Around 85% of the company’s production is exported to more than 110 countries all over the world.

KEY PERSONNEL:
Mr. Bernd Stock, Managing Partner (engineering)
Mr. Michael Stock, Managing Partner (commercial)
Mr. Rainer Stock, Senior President
Mrs. Sigrun Moebus, Sales Director
Mr. Uwe Hastrich, Dir. Operations, Customer Service

PRODUCTION LINE:
• Buttwelding machines for all kinds of wires starting at 0.04 mm dia. only up to abt. 60 mm dia. max. for solid steel and abt. 42 mm dia. max. for solid non-ferrous wires, including welders with automatic deburring cycle.
• For steel there are various annealing devices available, suitting the most varied steel grades.
• Buttwelders for stranded conductors starting at 0.08 mm² up to abt. 2.500 mm². Welding by means of tubes or without any tubes.
• Coldpressure buttwelders with automatic deburring cycle.
• Wide specialized range for the most varied applications, e.g.,
  — Buttwelding machines for steelcord
  — Battery-operated parting guns for steelcord or steel strands.
  — Electric wire buttwelding guns.
  — High-output buttwelding machines for production of wire-made mass articles.
• Special purpose welding machines, tailored to the individual customer’s needs.

CAPABILITIES:
The company has specialized in manufacturing an extensive range of welders for all applications in the wire and cable industries. Apart from the big range available “off the shelf” so-to-say, of course the company also manufactures welders in special design to meet particular requirements of individual customers.
STRECKER carries out repairs and maintenance of butt welders returned to the shop for that purpose, but there are also service technicians travelling worldwide to do this job on site. A wide range of spare parts is carried in stock, ensuring prompt delivery.

SALES OFFICE:
August Strecker GmbH & Co. KG has sales people on staff at its manufacturing facility, as well as sales personnel in the field, travelling. Additionally, there are more than 40 representative offices worldwide.

SALES/ MANUFACTURING FACILITY:
AUGUST STRECKER GmbH & Co. KG
Jahnstrasse 5
D - 65549 Limburg/Lahn / Germany
Tel: +49 6431 96 10-0
Fax: +49 6431 44 22 1
sales@strecker-limburg.de • www.strecker-limburg.de
**BOXY SpA**

BOXY SpA.
Via Alcide de Gasperi, 16
Remedello (BS) 25010 – Italy
Phone: +39 (030) 9579011
e-mail: boxy@boxy.com
www.boxy.com

**COMPANY PROFILE:**
Boxy is a long-standing world renowned leader in the realm of steel reel manufacturing. With a 40+ years history and 2 production facilities in Europe, BOXY is a well positioned and experienced company to meet all wire & cable manufacturers’ needs for steel process and shipping reels. With local world-wide representations, including HOWAR Equipment in North America, BOXY has a close relationship with its customers.

<table>
<thead>
<tr>
<th>Single Flange Pressed Steel Reels - Type BST:</th>
<th>Corrugated Steel Flanges - Type BAL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>— Sturdy, pressed sheet metal construction</td>
<td>— Corrugated steel sheets on flanges</td>
</tr>
<tr>
<td>— Curly flange perimeter for added stiffness</td>
<td>— Lighter weight yet fatigue resistant</td>
</tr>
<tr>
<td>— Precision welding and machined arbor bushings</td>
<td>— With I-Beam and flat bar flange perimeters</td>
</tr>
<tr>
<td>— Ideal for bunching, shipping and extrusion</td>
<td>— Ideal for stranding, extrusion take-up and shipping</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Double Flange Pressed Steel - Type NA:</th>
<th>Collapsible Reels - Type BOSCO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>— Sturdy double face pressed sheet metal flanges</td>
<td>— Reels for creation of wire coils</td>
</tr>
<tr>
<td>— Curly flange perimeter for added stiffness</td>
<td>— Screw, pneumatic, hydraulic locking systems</td>
</tr>
<tr>
<td>— Can be machined throughout for high speed</td>
<td>— System to also be used as coil lifter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heavy Duty Double Flange Pressed Steel - Type BFP:</th>
<th>Reel &amp; Coil Handling Equipment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>— High strength double flange construction</td>
<td>— Reel lifters and lifters</td>
</tr>
<tr>
<td>— Additional flange stiffeners inside flange plates</td>
<td>— In-ground reel lifters</td>
</tr>
<tr>
<td>— Heavy weight + tension applications</td>
<td>— Automatic coil lifters</td>
</tr>
<tr>
<td>— Sturdy, pressed sheet metal construction</td>
<td>— Reel pallets and racks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Structural Steel Reels – Type BMP:</th>
<th>North American Sales &amp; Service:</th>
</tr>
</thead>
<tbody>
<tr>
<td>— Designed according to application</td>
<td>Howar Equipment, Inc.</td>
</tr>
<tr>
<td>— Tubular steel + sheet metal construction</td>
<td>Tel: (905) 265-1289 • Fax: (905) 265-8834</td>
</tr>
<tr>
<td>— I-Beam and flat bar flange perimeter</td>
<td>E-Mail: <a href="mailto:sales@HowarEquipment.com">sales@HowarEquipment.com</a></td>
</tr>
<tr>
<td>— Ideal for drum twisters, stranders, and heavy take-up lines</td>
<td>Web Site: <a href="http://www.HowarEquipment.com">www.HowarEquipment.com</a></td>
</tr>
</tbody>
</table>

**Cabopol – Polymer Compounds, SA**

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Fax:+351 244 481 970
cabopol@grupomeneses.com
www.cabopol.com

**COMPANY PROFILE:**
Cabopol is a global player on compounding thermoplastic and crosslinked solutions to the following industries: Wire & Cable, Automotive, Packaging, Footwear and Construction.

Cabopol’s history with more than 50 years has focused heavily on the international market, being present in more than 70 countries around the world. Today it’s one of the main European players in its area of business.

The company is always thinking about the future with the aim of INNOVATING in the market. It focuses on constantly researching new solutions and products that meet customers’ needs.

**SICAFLEX TPE**
Elastomers Thermoplastics for injection molding or extruded profiles in the following markets:
• Automotive
• Building
• Consumer goods
• Medical and Healthcare

**SOFIPRIME, BIOMIND**
• Packaging industry

**SALES OFFICE:**
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www.cabopol.com

**LACOVIL PVC**
• Wire & Cable industry market including Power, Telecom and Automotive +105°C, +125°C

**SOFIPLUS**
Halogen Free solutions for W&C
• Sofiplus ONE general propose application
• Sofiplus ONE specialties to be used at very low temperature and oil resistant application
• Sofiplus AT Automotive solutions to use from -40°C up to +150°C

**LACOFLEX TR**
• Thermoplastic Rubber with high flexibility and abrasion resistant dedicated to Shoes industry.
MISSION STATEMENT:
Cemanco is committed to provide the wire, cable and tubing industries with a wide range of high quality machinery, accessories and consumables. Our goal is to supply the best value for the money, which includes not only the high quality of our products but dedicated customer service and application advice as well.

PRODUCT LINES:
- **Wire Straighteners**: Roll straighteners from 3 rolls to 13 rolls per plane, several different designs for materials from 0.003” to 1.38”.
- **Guide Rollers**: Fixed or adjustable rollers for many applications up to material diameters of 10”. Replacement hardened steel or chrome rollers from 1” x 1” to 4.3” x 40”.
- **Spooling Traverses**: Rolling Ring Drives and Assemblies: mechanical traverses for take ups for wire, cable, strip, fibers chain, etc. The Autowinder®, an optical laser guided precision spooler for fine wire.
- **Ceramics**: High quality drawing cones, capstans and rings in zirconium oxide from CeramTec, the specialist for European drawing machines. Several highly wear resistant metal coatings in nickel chromium, tungsten carbide and chromium oxide ceramic are available as well. Flanged ceramic eyelets, bow guides, air wipes, hooks, pigtails, rings, rods, rollers and tubes are stocked in many standard sizes and shapes. Material qualities in aluminum oxide ceramic range from 96%-99.8% purity, surfaces can be diamond polished to 4 - 8 microinches Ra. Pulleys up to 31” can be supplied in solid ceramic, steel, aluminum and plastic. Standard pulleys are available with solid ceramic inserts or spray coated with aluminum or chromium oxide ceramic.
- **Hydraulic and Manual Cutters**: Hydraulic Rod Cutters can handle material up to 2” diameters, and Cable Cutters reach up to 6.3”. Battery powered, portable bolt, cable and wire rope cutters and swagers, alternatively available for 120 V power; manual steel and rope cutters and swagers, manual hydraulic cable cutters for up to 1.5” material.

KEY PERSONNEL:
- Rainer Lashofer, President
- Beliza Bermudez, VP Sales, South America
- Mark Votyka, Internal Sales

CERSA-MCI
Parc Expobat n° 16-53
13 480 CABRIES France
Tel: +33 4 4202 6044
Fax: +33 4 4202 7979
Email: sale@cersa-mci.com

KEY PRODUCTS:
- **Fine wire diameter measurement**: They cover a diameter range from 0.005 to 2 mm with a repeatability of ±0.03% of the diameter.
- **Optical fiber in line measurement**: In 1996, CERSA-MCI started to supply the optical fiber industry with its outstanding measurement instruments. Today our offer covers:
  - Bare fiber: diameter, drawing force, no circularity, spinning frequency measurement, ultra fine airline, local defect detection.
  - Coated fiber: defect (bubbles, delamination, inclusion), no concentricity, lump and neck detection.

NEW PRODUCTS FOR CABLE & PLASTICS:
1/ **Diameter and defect detection**: LPS-H technology with one or three axes instruments, high accuracy or ultra high frequency diameter measurement (20 kHz).

2/ **Surface Quality Measurement**: The SQM, for fine wire and cable surface measurement and defect detection, is expected to start in production line, for evaluation, by September 2014.
**CM Furnaces Inc.**

103 Dewey Street  
Bloomfield, NJ 07003  USA  
Tel: +1 973 338 6500  •  Fax: +1 973 338 1625  
Email: info@cmfurnaces.com  •  Website: www.cmfurnaces.com

### COMPANY PROFILE

CM Furnaces was established in 1946 and is known for state-of-the-art design and manufacturing of all types of air, hydrogen and inert atmosphere electric furnaces. Though many of our furnaces are of standard design and construction, CM has specialized in furnaces for a variety of applications or to update standard equipment to specific needs.

In addition to our industrial line of furnaces, CM manufactures a complete line of highly sophisticated research and laboratory furnaces. This includes Combustion Tube furnaces, our Rapid Temp line of box and tube furnaces (to 1800°C), Platinum Tube furnaces and a variety of equipment for specialized research applications and materials testing.

For information on our line of laboratory furnaces, contact CM Furnaces.

### PRODUCT LINES:

- 300 Series High-Temperature Moly-wound Muffle Furnaces to 1800°C
- 400 Series Open Element Furnaces to 2200°C
- 500/600 Series Alloy Hearth Atmosphere Furnaces to 1200°C
- 700 Series Air Atmosphere Continuous Furnaces to 1700°C
- 2300-3300 Series High Temperature Fiber Lined Box Furnaces
- 200 Series Wire Annealing Furnaces
- 100 Series Catalytic Debinding Oven for BASF Polyacelal Binder System
- 1500/1700 Series Hydrogen Atmosphere Batch Furnaces
- Models LTSA, SA and HTSA Strand Annealing Furnaces

### AUTOMATION:

CM Furnaces also offers high-temperature fully automated continuous pusher furnaces. CM pushers come in 5000, 10,000, 20,000 and 30,000 lb. capacities. Additionally, all CM furnace systems also feature the company’s self-diagnostic system that checks over 120 different events per cycle for any problem condition. CM also offers light-duty and heavy-duty stokers that can be used with most continuous furnaces.

### FURNACE ACCESSORIES:

CM Furnace provides furnace replacement accessories such as silicon carbide heating elements, straps, clamps, nickel-chrome and iron-based heaters and thermocouples in a variety of materials. Also offered are a stainless steel hydrogen humidifier, Refractory metal boats and screens and insulating brick, fiber, cement, powders and alumina muffles.

### SALES OFFICE:

CM Furnaces Inc.  
103 Dewey Street  
Bloomfield, NJ 07003  USA  
Tel: +1 973 338 6500  
Fax: +1 973 338 1625  
Email: info@cmfurnaces.com  
Website: www.cmfurnaces.com

---

**Color Resource Concentrates**

517 Lancaster St. Leominster, MA 01453  
Phone: 978-537-3700  •  Fax: 978-401-4370  
Email: info@color-resource.com  
Website: www.color-resource.com

Color Resource Concentrates is renowned for the best in color concentrates and specialty color concentrates for the telecommunications, fiber, building, electronics, and specialty wire markets. All products meet and exceed industry standards and specifications. A market leader in PVC, PE, and EVA color concentrates and the first to provide XLPE colors in the marketplace, Quasar XL.

**COLOR RESOURCE PROVIDES**

- Superior products  
- Fastest turn times in the industry—no more than 7 days and as quickly as 24 hours!  
- Better batch-to-batch consistency  
- Products are RoHS and REACH-compliant  
- 100% heavy-metal-free

**PRODUCTS AND SERVICES**

- Commercial Color Concentrates  
- In-stock, full-range line of Munsell and NEMA colors in PVC, PE, and standard EVA with excellent electrical properties. Colors available for: economical grades preferred for standard PVC and PE compounds to vibrant, highly-loaded standard concentrates for riser and plenum-grade PVC and flame-retardant PE

- Custom Color Concentrates  
- RAL and SAE color concentrates generally customized for precise matching tolerance requirements. PVC, PE, and EVA, color standards with specific compounds for wire and cable and fiber optic.

- Custom Compounding  
- Small batch custom compounding in PVC. Tinted clears to solid colors, pre-colored non-UL PVC compounds for extrusion and molding.

**NEW INNOVATIONS**

- Quasar XL, Exclusive XLPE Line  
- Wire and cable manufacturers receive highly-loaded, vibrant colors that will not contribute to scraching. You use less and spend less. Specifically designed for use in silane grafted moisture cure, cross-linked compounds.

- FireTones, Exclusive Low Smoke Line  
- Using groundbreaking technology, FireTones color concentrates optimize and deliver the ultimate in safety by reducing levels of smoke and fire in any PVC wire application at every level.

**Key Personnel**

- Rusty Tata - Operations Controller  
- Greg Gitto - Sales/Product Development  
- Tammi McFaul - Customer Service/ Purchasing  
- Jim Grimley - Sales/Marketing

**Sales Office**

Email: info@color-resource.com  
Phone: 978-537-3700

July 2014/Wire & Cable Technology International
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Sales/Customer Service: +1 800 290 9192
www.cri-sil.com
silicone@crisil-silicones.com

CRI-SIL Silicone Technologies, LLC is an ISO9001:2008 certified supplier of custom formulated silicone and fluoro-silicone elastomers. We have provided products and solutions to worldwide customers seeking innovative silicone rubber compound engineering for more than twenty years.

We offer a full complement of standard silicone products and services in addition to custom formulations. Fabricators in the Wire and Cable, Automotive, Healthcare, and Aerospace markets (to name a few) can choose a product right off the shelf or submit a specification for custom engineering. For those Fabricators seeking Liquid Silicone Rubber (LSR), Room Temperature Vulcanization (RTV), or Heat Cured Rubber (HCR), we will develop and deliver a high quality product to you in minimal time and tailor made to your price and specification requirements.

KEY PERSONNEL
Mr. Mark S. Stevens
Owner/CEO
Mr. Michael J. Hirschy
Owner/President
Mr. Mark C. Stevens
Sales Manager
Mr. Matthew L. Caldwell
Technical Manager
Mr. John Colburn
Manufacturing Manager
Ms. Barbara Lavigne
Purchasing Manager
Mr. Garnet Boudreau
Quality Manager

WIRE AND CABLE MATERIALS
CRI-SIL offers many products for wire and cable—listed below are just a few. We also design materials to your specifications. If you don’t see what you’re looking for, call us.

- Ceramifiable Power - Limited Fire and Circuit Cable - UL13 CL3R & CL2R
- Non-Power Limited Fire/Alarm - UL1424
- 150°C, 300V Lead Wire - UL1581
- Fixture and Appliance Wire - UL62
- High Temperature - UL758 (250°C), MIL-DTL-24643
- Flame Retardant - UL758 (VW-1)
- Navy Cable - MIL-DTL-24643
- Braided/Braidless 150°C and 200°C Jacket Material - UL1581 (Table 50.205)
- Shipboard Instrumentation/Distribution – Military - MIL-DTL-24640, MIL-C-915

Design & Engineering LLC
1275 Bloomfield Ave., B7-43
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E-Mail: sales@designandengineering.com • Web Site: www.designandengineering.com

MISSION STATEMENT:
We believe there is no substitute for proven experience.
D&E is dedicated to perform Rebuilding and Upgrades on existing Lines to bring them up to the latest proven Technologies in the Wire and Cable Industry.
Our Engineers work closely with the Customers, ensuring the integration into a system that meets their specific requirements.

KEY PERSONNEL:
Hernando Blanco,
Engineering Mgr.
John Garb,
Project Engineer

TOTAL ENGINEERED SOLUTION:
Our total Engineered Solutions are complete:
- Automation hardware
- Software
- Engineering
- Start up
The result is:
- Improve Productivity
- Consistent Process Control
- Reduced Down time
- Low Maintenance cost

AUTOMATION & SYSTEMS INTEGRATION:
A complete range of systems design services is available for: Extrusion & THHN Lines, CV Lines, Water Level Control, Dual Take-ups, Tension Control / Fiber Optic, Wire Drawing, Stranders, Drum Twisters and Telephone Lines.

REBUILDING SERVICES:
- Extruders
- Dual Take-ups

ENGINEERING SERVICES:
- Start up
- Troubleshooting
- Programming
- Installation & Commissioning

PRODUCT LINES:

ASSOCIATION / MEMBERSHIP:
- WAI • ISA • IEEE • SME
Eraser is a leading worldwide manufacturer of wire, cable, and tube processing equipment. Eraser’s wide range of machinery enables customers to manufacture, prepare, and process wire, cable, and tubing products more efficiently, effectively, and profitably.

Products categories include:
- Wire and Cable Strippers
- Wire, Cable and Tubing Cutters
- Wire Twisters
- Infrared Heating Equipment
- Reelers, Dereelers and Winders
- Measuring Tools
- Fiberglass Brushes

For over 100 years our focus has been on providing superior products and service to our customers in the automotive, aerospace, military, medical and industrial manufacturing industries. We understand that each market is unique and has specific needs and requirements. Our broad range of industrial machinery spans over 200 products and growing.

Eraser is ISO 9001:2008 certified. This certification ensures that we build quality into our products and services and give our commitment to you that we hold ourselves accountable to the highest in industry standards for quality and service.
COMPANY PROFILE:
Filtertech is an international producer of liquid filtration and waste disposal systems for industrial coolant applications including wire drawing, aluminum and steel rolling, machining, grinding as well as process and waste water applications.

PRODUCTS:
Based in Manlius, NY (near Syracuse, NY), Filtertech, Inc. supports customers worldwide utilizing its complete line of equipment in order to design systems that include vacuum, gravity and pressure filters, centrifuges, magnetic separators, oil water separators, evaporators, vacuum distillation units and process and waste water filter systems. These systems include filters, pumps, heat exchangers, transfer sumps and control packages.

LAB TESTING:
Filtertech, Inc. offers customers free lab testing to confirm application feasibility as well as provides pilot rental testing for qualified process and waste water applications.

FOR MORE INFORMATION:
Please contact us for more information or visit our website at www.filtertech.com. As always, it is a pleasure to be of service.

SALES OFFICE:
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Manlius, NY 13104-0527 USA
Tel: 1 (315) 682-8815
Fax: 1 (315) 682-8825
Website: www.filtertech.com
Email: info@filtertech.com

ETCO
ETCO North
25 Bellows Street
Warwick, RI 02888 USA
Tel: +1 941 756 8426 • Toll-Free: +1 800 689 3826
info@etco.com • www.etco.com

COMPANY HISTORY:
ETCO Incorporated was founded in 1947 as Electric Terminal Corporation. The original company produced wall plug blades in strip form for attachment by the customer on a patented air-operated machine. ETCO still produces wall plug blades, but the production speeds have increased from 175 parts per minute to as fast as 3000 parts per minute. As the years went on, ETCO expanded the product line into thousands of different items, both catalog and custom-designed products tooled for customer’s individual needs.

PRODUCTS:
ETCO manufactures a variety of products that range from precision stampings and rubber and plastic molded products used principally by major automotive, medical and appliance manufacturers. Our products are ubiquitous and are found in major manufacturers including Whirlpool, GM, Chrysler, Ford and many others. ETCO manufactures primarily in the United States in two locations, Rhode Island and Florida. ETCO’s competitive cost structure, flexible supply chain solutions and stability makes the company an attractive alternative to companies both based in the United States and internationally. ETCO’s adheres to following strict green practices and maintains high standards when developing at their large sprawling complexes in Florida and Rhode Island. ETCO also has a standard line of products, and strives to manufacture at lower prices than our competitors and with higher quality.

KEY PERSONNEL:
David Dunn
Chairman
John Macaluso
President

FILTERTECH
Industrial Liquid Filtration Systems
The Trademark of Innovative Filtration

COMPANY PROFILE:
Filtertech is an international producer of liquid filtration and waste disposal systems for industrial coolant applications including wire drawing, aluminum and steel rolling, machining, grinding as well as process and waste water applications.

PRODUCTS:
Based in Manlius, NY (near Syracuse, NY), Filtertech, Inc. supports customers worldwide utilizing its complete line of equipment in order to design systems that include vacuum, gravity and pressure filters, centrifuges, magnetic separators, oil water separators, evaporators, vacuum distillation units and process and waste water filter systems. These systems include filters, pumps, heat exchangers, transfer sumps and control packages.

LAB TESTING:
Filtertech, Inc. offers customers free lab testing to confirm application feasibility as well as provides pilot rental testing for qualified process and waste water applications.

FOR MORE INFORMATION:
Please contact us for more information or visit our website at www.filtertech.com. As always, it is a pleasure to be of service.

SALES OFFICE:
Filtertech, Inc.
113 Fairgrounds Drive, PO Box 527
Manlius, NY 13104-0527 USA
Tel: 1 (315) 682-8815
Fax: 1 (315) 682-8825
Website: www.filtertech.com
Email: info@filtertech.com
GEC provides Toroidal® reels for shipping product and in-plant use. Toroidal® reels are available in 30” to 108” diameters. Reels can have their components altered, or additional features added, in order to meet various custom service requirements.

GEC also offers structural steel reels in any size up to 144” flange diameter. Toroidal™ and structural reels can also be made out of either aluminum or stainless steel, depending upon customer requirements.

Continuing to provide a variety of services, GEC offers custom metal fabrication, manufacturing processes, timely quotations, on-site engineering staff, computer tracking of manufacturing costs and production status for each order and a formal quality control process. GEC is a four-generation family company that continues to provide quality steel reels and metal fabrication services to industry.

PRODUCTS:
George Evans Corporation provides the wire and cable industry with durable, cost-effective, and fully recyclable Toroidal® steel fluted reels to Western Electric, NEMA and Aluminum Association standards. Custom designed reels to meet your specific requirements and size specifications are made to order for your use.

GEC also provides contract manufacturing services. The company fabricates all types of carbon steel, aluminum, stainless steel, copper and brass to meet your high quality and exacting tolerance specifications.

COMPANY PROFILE:
Non-Destructive Testing, Metal Detection, Magnetics – FOERSTER stands for highest quality utilizing primarily the Eddy Current method of testing for precision and performance; for commitment and dependability; for the best and most technologically advanced range of products. Our ultimate goal is customer satisfaction-worldwide. With ten subsidiaries and a multitude of representatives across the globe, we are ever-present and in proximity to our customer. In the US, we are doing our utmost to equal that goal as well. With four offices demographically located (South Carolina, Texas, Missouri and Ohio) as well as an additional Service location in Indiana, we offer our customers the highest possible standard of Quality, Service and Trust in a fast and efficient response time.

Our Ohio plant provides our customers with custom Material Handling Capabilities for in-line or off-line testing. From a multi-station drive table that will move the customer’s product from initial manufacturing, through the testing phase back through completion to an individual test cell that can be hand-fed or automated, FOERSTER has the capabilities to design and engineer to meet each customer’s specific requirements.

COMPANY DIVISIONS:
• DIVISION TS
Semi-Finished Product Testing
Testing of semi-finished products for the metal-producing and metalworking industry.

• DIVISION CT
Component Testing
Eddy-current flaw detection of safety-relevant and functionally critical parts in the automotive industry and its suppliers.

• DIVISION M
Mobile Testing and Measuring Equipment
Portable solutions for crack detection and measuring of electrical conductivity.

U.S. HEADQUARTERS:
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Website: www.foerstergroup.com

George Evans Corporation
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Email: sales@George-Evans.com
Website: www.george-evans.com

COMPANY PROFILE:
George Evans Corporation provides the wire and cable industry with durable, cost-effective, and fully recyclable Toroidal® steel fluted reels to Western Electric, NEMA and Aluminum Association standards. Custom designed reels to meet your specific requirements and size specifications are made to order for your use.

GEC also provides contract manufacturing services. The company fabricates all types of carbon steel, aluminum, stainless steel, copper and brass to meet your high quality and exacting tolerance specifications.

QUALITY:
The GEC Quality management system is certified to BS EN ISO 9001:2008 by the British Standards Institution.

It is the policy of GEC to fabricate products that provide a good value to our customers in the metal fabricating industry. It is the intent of GEC to continually improve through modern manufacturing processes, customer input, and internal recommendations.

SALES OFFICE:
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HOWAR Equipment Inc.
60 Maycroft Ave. #6
Woodbridge, Ontario L4L 5Y5 Canada
Phone: (905) 265-8912 • Fax: (905) 265-8834
E-Mail: sales@HowarEquipment.com • www.HowarEquipment.com

Howar Equipment services the needs of the wire & cable manufacturing industry, by providing high quality machinery and accessories needed to manufacture and process wire & cable.

Steel Reels & Handling Equipment
Offers a comprehensive line of steel reels for all processing and shipping applications.
• Steel Reels with single and double walls
• Fully Machined Solid Steel Reels
• Corrugated & Structural Steel Reels
• Collapsible Reels & Reel Handling
• Large Diameter Reels up to 180"
• Reel Lifters and Tilts

Off-Line Insulation Measurement
An automatic off-line cable cross-section measurement machine that quickly and accurately measures insulation samples.
• Insulation cross-section measurement
• Wall thickness, Concentricity, Min/Max
• Extrusion Trends & Slicing Equipment

Wire Pointers + Wire Straighteners & Feeders
Comprehensive line of durable and precision focused line of easy to use wire pointers.
• Wire Pointers & String-Up Equipment
• Swaging Machines
• Shave Pointers for Large diameter Rod + Bars
• Wire Straighteners & Feeding Equipment

Wire Drawing Accessories
Specialized line of equipment to provide improved wire drawing efficiency.
• Rotating Die Holder with Direct/Indirect Cooling
• Mechanical Wire Descalers + Wire Brushing
• Wire Brushing and cleaning units

Wire & Cable Taping Lines
High speed and precision taping lines in addition to specialized stranding equipment.
• Vertical & Horizontal Taping Lines
• Single Twist Strands up to 39”
• Rewind lines, Take-up and pay-off equipment
• Pay-Off and Take-Up Equipment

PLASMA Wire Heat & Surface Treatment
Highly efficient plasma wire heat & surface treatment equipment.
• In-Line annealing, cleaning, degreasing
• Copper alloys and Stainless Steels
• PV-Ribbon Wire applications
• Medical Tube applications
• Treatment of wire at drawing speeds

Contact:
Willy Hauer:
President - Wire Production Machinery
Chris Hauer:
GM – Reels & Accessories
Michael Gromko:
Product Manager – Extrusion

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UNITEK Crossheads
Div. of HOWAR Equipment Inc.
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UNITEK Crossheads – Div. of Howar Equipment in unison with its manufacturing headquarters in Austria design and manufacture high quality precision extrusion crossheads.

Fixed Center Crossheads:
Single layer extrusion providing concentric products right after startup.

Co-Extrusion Heads:
Extrusion of up to 4 layers of different polymers, with skin-layer and stripe marking.

Fluoro Polymer Fixed Center Heads:
Single layer and co-extrusion crossheads for fluoro polymers. These heads are made from wear resistant UNALLOY® which provides exact temperature control throughout the head and careful treatment of the compound.

Flat Cables:
High precision, leak free crossheads for various configurations.

By-Pass Systems:
Manually, hydraulically or pneumatically operated discharge valves. For diverting material flow; assists in startup, color change, production change or broken wire interruption.

Automatic Color Change:
Systems for all kinds of products, including extreme thin wall automotive wire, to change from one color to another at full production speed within seconds, without having to stop the extrusion line. No down-time, minimized scrap, highly improved productivity.

Quick Product Change:
Based on the head changing principle as well as head-in-head designs; shortens the downtime and brings the line back in operation within a few minutes.

UNICLEAN Tool & Screw Cleaning Systems:
Micro-peen tool cleaning system, which provides careful and quick cleaning of screws and all other contaminated parts.

Extrusion Tooling:
High quality tooling manufactured according to application in steel, hardened steel, tungsten carbide, inconel, and diamond inserts.

Contacts:
Chris Hauer:
GM – Extrusion Accessories
Michael Gromko:
Product Manager – Extrusion
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E-Mail: info@melos-gmbh.com
Website: www.melos-gmbh.com

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Tel: (+) 31 3560 33234
E-mail: office@inhol.com • Website: www.inhol.com

**SHEATHING, INSULATION COMPOUNDS:**
Melos is an experienced compounding company from Germany, proven in the worldwide cable market. Since the cooperation with Inhol (“Synergy at work”), the expanded “Mecoline” portfolio includes an even wider range of thermoplastic, radiation, moisture and peroxide cross-linkable compounds for the insulation and sheathing of cables for:
- General Installation
- Offshore, Shipboard
- Green Energy, Solar
- Marine, Aerospace, Defence
- Rolling Stock, Rapid Transit, Railways
- Automotive

**BEDDING COMPOUNDS:**
Additionally, Melos is an expert in manufacturing internationally proven “FM” bedding compounds, e.g. for PVC/PVC, XLPE/PVC or XLPE/HFFR cables.

**FLUOROPOLYMER BASED COMPOUND:**
Inhol and Melos are moving actively into the high demanding applications by introducing compounds based on fluoroelastomer like Viton (trade mark of DuPont) and Fluoropolymers like PVDF and ETFE. Innovative compound design makes these fluoropolymer compounds available for special applications in industries like automotive, medical and offshore.

**HEAT-SHRINKABLE PRODUCTS:**
Inhol supplies know-how, equipment and compounds for the heat-shrinkable product industry.

**PTL LABORATORY TEST EQUIPMENT:**
- **Hot-set/hot-creep test oven:**
  For fast and labor saving measurement of the hot-set elongation according to IEC 60812-2-1 and ICEA T22-562, a new oven with a sliding side door has been introduced. Thanks to the easy accessibility of the samples, time required for each test cycle may be reduced by 5 minutes.

**TVAB abrasion tester:**
This abrasion tester is so precise that it has set the standard for ISO 6722-1. Today the TVAB tester has been accepted as the standard test device for the insulated wire industry.

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**Inosym Ltd.**
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Web Site: www.inosym.com
Email: Inosym@inosym.com

**MISSION STATEMENT:**
Inosym is committed to providing our customers with world class quality reels and bobbins at competitive prices.

**COMPANY HISTORY:**
Inosym reels were developed seven years ago to provide cable and wire manufacturers with a product that was realistically priced and of high quality. We believe we are achieving this and assisting our customers to reduce capital expenditure and increase profits.

Today Inosym supplies a range of steel and ABS plastic reels to over 35 countries worldwide. Our reel products are manufactured to international standards and are suitable for all cable and wire-making processes from high-speed wire drawing reels to large take-up reels.

**PRODUCTS:**
- ABS plastic reels in 300–1000 mm sizes have flanges molded from high-impact ABS. Applications include high-speed insulating, group twinning, stranding, bunching, jacketing.
- **MF (Metal Flange)** pressed metal process reels come in sizes from 100–1250 mm and are made from high-quality steel plate and tube. Applications include universal take-up and payoff reels, bunching, stranding, insulating and jacketing.
- **SM (Semi Machined)** double-wall high-speed reels come in sizes from 315–800 mm and are made of high-quality steel plate and tube. Applications include drawing, bunching, stranding and insulating.
- **FM (Fully Machined)** steel high-speed reels in sizes ranging from 100–1000 mm and manufactured from high-quality steel plate and tube. Applications include high-speed single-wire drawing, high-speed multi-wire drawing, bunching and enamelled wire coating.

**CAPABILITIES:**
Inosym reels are made to DIN International Standards or as per the customer’s specific requirements. With more than 250,000 ft² of production space, Inosym can provide its customers with rapid delivery of both large and small reel orders.

**SALES OFFICE:**
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International Wire Dies (IWD)
A division of DS Hai, LLC
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Email: Simon@dshaidies.com • Websites: www.dshaidies.com / www.iwdies.com

COMPANY PROFILE:
International Wire Dies (IWD) specializes in high-quality Natural Diamond Dies and PCD Dies using PCD Sumidia and PCD Diamond Innovative blanks. PCD blanks are offered as Self Supported, Thermally Stable up to 1700°C and Carbine Supported.

International Wire Dies was founded in 2009. The owner and founder, A. Simon Farjoun, has over 25 years experience in the wire industry, working as a Quality Director and Engineer for drawing and bunching processes in some of the world’s largest wire manufacturers.

Before founding (IWD) Simon built approximately seven Die Rooms between Germany, Israel and USA, and now offers his vast experience as a die user and a die manufacturer to help your operation save money and improve overall quality.

PRODUCTS OFFERED:
• Natural Diamond (ND) dies in sizes from 0.006”-0.300” (0.015-7.62 mm) We provide high-quality diamond stones for your dies. Unlimited quantities are available. We are the ONLY supplier in the market that can get you diamond stones with a hole size 0.300” (approximately 13MM) diameter.
• Polycrystalline Diamond (PCD) dies. Quality PCD Dies using SF-Diamond Blank, Sumidia and Diamond Innovative blanks. PCD blanks are offered as Self Supported, Thermally Stable up to 1700°C and Carbine Supported. We produce the above with your profile specifications or our own recommendations for your specific product. We can maintain your inventory by re-cutting and polishing your dies to a mirror-like surface. We can provide a Conopatcica report on all our dies.
• Shaped and Split Dies. We can provide any shaped or split dies that you would like. Provide us the appropriate schematics and we will quote an order.
• Cold Welders and welding dies; High-quality ultrasonic polishing and wire re-cutting machines.

CONTACT:
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Email: Simon@dshaidies.com
Websites: www.dshaidies.com / www.iwdies.com

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E-mail: joe@jsnee.com
www.pwmild.co.uk • www.betalasermike.com

PRESSURE WELDING MACHINES (PWM)
Joe Snee Associates is the exclusive United States and Canada Distributor for the Pressure Welding Machines (PWM) line of welders and dies. Offering welders, dies, spare parts and on-site service and repairs. Joe Snee has over 19 years of experience in cold pressure welding.

Through PWM, with its proven track record of quality and service of nearly 30 years, the company offers Hand Held, Workbench, Powered/Manual Trolley Mounted and Rod Welders.
Hand Held Welders (M10, M25, and M30) are able to weld a range of wires from .0039” to .071” (0.1 to 1.8 mm). The HP30 (pneumatic hand held) provides an effortless weld on 0.18” to .079” (0.3 to 2.0 mm). Ideal for welding in confined spaces.
Workbench Welders (BM10 and BM30), for applications where many welds are made on each work shift, offer an easy and user friendly way to weld wire from .0039” to .071” (0.1 to 1.8 mm). Optional trolleys are available for these models.
Trolley Mounted Welders (M101, P101, HP100 and HP200) are portable and cover a range of 0.040” to .256” (1.0 to 6.5 mm). On wheeled trolleys, these units can be quickly brought to the work area. In addition to round wire, this group of welders is often used for welding strip on armoring lines as well as welding trapezoid and other profiles.
Rod Welders (EP500, P1000 and P1500) provide users with the ability to weld .197” to 1.181” (5.0 to 30.0 mm) rod. Simple to operate using a PLC, these welders, unlike “hot welders” provide for fast, reli-

BETA LaserMike solutions integrate easily with production processes and effectively reduce scrap, material usage, ensure quality and increase capacity

AW Machinery (AWM)
AW Machinery (AWM) is a manufacturer/integrator of machinery and control systems used in wire, cable, fiber optic industries and other applications including tube and hose manufacturing, rewinding and other extrusion applications such as profiles. AWM is an experienced manufacturer of complete extrusion lines and systems to meet the diverse requirements of the electrical wire and cable industry and others, such as:
• Telephone and LAN Cables
• Power Cable - CV Lines
• Optical Fiber Coating
• Building Wire
• Automotive Wire
• Appliance Wire
• Medical Tubing
• Special Cables
Short deliveries for new machines, wire line systems, complete technical service and spare parts for both AWM supplied as well as Vieleck equipment presently in the field is a specialty of AWM.

AW Machinery also offers wire handling equipment including pay-off and take-up stands, re-spooling lines, extruders, capstans, dancers, accumulators, cooling troughs as well as custom machine designs.
KEIR MANUFACTURING, INC.
133 McLean Road
Brevard, NC 28712 USA
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Web Site: www.KEIRmfg.com • E: Sales@KEIRmfg.com

MISSION STATEMENT:
KEIR is dedicated to making products that enable industry to run more efficiently and productively through the application of leading edge materials. KEIR differentiates itself by offering not just products, but a partnership with each customer to create solutions of real value to meet their specific challenges.

COMPANY HISTORY:
KEIR Manufacturing, Inc. is an American based manufacturer of engineered technical ceramic and composite products serving a variety of industries. Since its inception in 1983, KEIR has developed proprietary forming and machining methods enabling production of a wide variety of parts efficiently and quickly.

In March 2010 KEIR acquired the Wire Products business unit of Kamatics Corp., a Kaman company. All Wire Products production was relocated from Bloomfield, CT, USA to the KEIR facility and headquarters in Brevard, NC, USA. The purchase included all assets and intellectual property of Kamatics Wire Products business unit only.

For twenty years Kamatics has designed, produced, and improved composite flyer bows for efficient stranding and bunching of wire.

Soon after they introduced composite flyer bows to the industry in 1990, they became the volume and innovative leader in the marketplace by combining aerospace proven materials with triaxial braiding, to produce superior strength and durability in a lightweight structure. At Interwire 2005 Kamatics introduced the BackBone™ flyer bow design, which improved strength, efficiency and productivity to levels never before accomplished. Currently KEIR has over 1500 customers in 43 countries.

PRODUCTS & CAPABILITIES:
For the global Wire and Cable industry, KEIR’s products include high-purity 99.8% Alumina Ceramic Guides, the Frontiersman™ line of Air Wipes and Composite Flyer Bows including the BackBone Bow™.

KEIR offers two Air Wipe designs. One, primarily for bare wire, consists of a polymer mounting block with a high-density, wear-resistant ceramic insert that is hand pressed into the mount and is sealed with O-rings. The other, a split, clamshell design for jacketed wire or cable, opens to allow welds or extrusion bulges to pass through without damage. It also incorporates ceramic inserts and can be used where it is not practical to thread the wire through an Air Wipe when setting up the line.

Unique qualities of the BackBone Bow include the aerodynamic shape for higher operating speeds and much lower energy consumption, increased bow strength and stiffness from I-beam construction, and wire positioned out of the air stream for improved wire quality. The wear bushings can be made from ceramic, steel, and many other materials. This upgraded design also offers greater support of difficult to make products and prevents the wire from pinching between the guide and the wear strip.

KEY PERSONNEL:
• David Watkins, President
• Mike Walters, Sales/Marketing Mgr.
• Gordon Murray, Sales/Mktg. Specialist

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KING INDUSTRIES, INC.
1 Science Rd.
Norwalk, CT 06852 USA
Technical Sales: Dan Miller (203) 866-5551
Website: www.kingindustries.com

COMPANY PROFILE:
Founded in 1932, we have established ourselves as an industry leader in the research and development and manufacture of unique high performance additives applied within the Coatings, Lubricants, Rubber, and Electronics markets.

Our core product line and expertise in industrial, automotive, marine, and aerospace applications combined with our ability to develop customized products to suit your needs makes King the most versatile value added supplier of chemical additives in the industry.

OUR PEOPLE:
King Industries, Inc. is a family company. We employ nearly 200 dedicated individuals, each having a critical role in the success of the company. From our chemists, production operators, engineers, welders, carpenters and pipe fitters, to our technical customer service and sales departments, and our research and development chemists, our customers know when they work with King, they’re working with excellence.

SAFETY & QUALITY PROGRAMS:
We currently hold certifications in three management systems including, ISO9001 (Quality Management), ISO14001 (Environmental Management), and OHSAS 18001 (Safety and Health).

MANUFACTURED PRODUCTS:
REOGENE E – Processing Aid
Well established and trusted for years by rubber formulatores.
BONDGENE E – Peptizer
A higher activity processing aid with excellent peptizing effects and scorch control.

DISTRIBUTED PRODUCTS:
DISPERGUM – Zinc Soaps
Improves flow and de-molding properties, as well as reducing heat build-up.
DEOFLOW – Zinc Free Processing Aid
Improves flow/dispersion properties of rubber.
DEOSTAB – Vulcanization Stabilizer for pressureless vulcanization
Stabilizes CaO-containing compounds without effecting compression set.
DEOLINK – Dry Silane Coupling Agents
50% wax preparations of standard and specialty silanes.
DEOGUM – Processing Aids for Specialty Rubber Grades
Provides excellent mastication, improves mold filling.
DEOVULC – Vulcanization Chemicals
(Nitrosamine free)
Specialty blends for safe handling and efficient vulcanization.
FACTICE – Vulcanized Veg. Oil (VVO)
Specialty VVO for peroxide & sulfur cured compounds (pure white – brown).

ASK A CHEMIST:
Visit: www.kingindustries.com to chat live at your own pace with one of our chemists without picking up the phone! Find the “ASK A CHEMIST” feature on our website and simply type your question!

July 2014/Wire & Cable Technology International 189
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Tel: 973-677-9500 • Fax: 973-673-0907
Website: www.kinreiusa.com

COMPANY PROFILE
Kinrei of America’s state-of-the-art cable, bunching and twinning products are the pinnacle in cable production technology. Kinrei’s diverse product catalog includes machines for ultra-thin wire, unlaid and concentric, litz, automotive, medical, twinning and cabling in tubular, single or double twist. The company is committed to providing its customers with the highest quality products and industry leading value-added services – considered among the best available in the wire and cable industry.

Kinrei’s complete bunching systems for bare and plated wire products produce standard bunched conductors and unlaid stranded electrical conductors (7 & 19 wire) at output levels 15-40% higher than competitive machines. The complete range of conductors produced on Kinrei double twist machines is 32 AWG-6 AWG (0.03-13.3 mm²), and takeup spools as large as 36” (914 mm) are supported.

The company also supplies complete takeoff systems, including takeups and rewinders, to complement its twinners and bunchers for whatever type of reels or applications customers may require. Kinrei has in-house capabilities to supply single and multi-head configurations for bunching, stranding, extrusion and fiber optic applications.

KINREI - QUALITY SINCE 1978
For nearly 35 years, Kinrei of America has been the lead distributor, sales agent and service representative for Kinrei Machinery Co., Ltd. of Japan, exporters to the U.S.A., Mexico and Canada of the highest quality cabling machinery.

Kinrei’s “complete wrap around service” goes beyond basic machine service to include training in areas of how to make wire in the most efficient and profitable ways possible – it’s just one more example of Kinrei’s commitment to providing extraordinary customer service for the complete line of Kinrei equipment.

TOP DOLLAR FOR USED EQUIPMENT
Kinrei of America also offers the best prices available for used Kinrei bunchers and cabling machinery. Kinrei machines are available for sale at deep discounts to new machines. Request a quote today!

PRODUCT LINES:
• Kinrei – Twisting equipment including bunchers, stranders, cablers and support equipment.
• Watson Spare Parts/Service – Complete support of drawings, parts/service for Watson, New England Butt, Edmunds and Wire Machinery Equipment twisting equipment.
• Donnelly Reels – Choose from high-quality steel and ABS plastic reels, manufactured in India.
• Koplowitz Engineering, Ltd. – Payoffs, take-ups and accessories.
• Candor Sweden AB – World-Class supplier of plating equipment and processes for in-line wire and strip surface treatment.

KEY PERSONNEL:
Rod Donnelly, President
Mitch Jacobsen, VP Sales
Lawrence Schneider, VP Parts & Service
Sean Donnelly, Sales/Service/Parts
Authorized Service Technician:
Chris Tullock
Global Service Tech

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Email: news.buf@komaxgroup.com
Web: www.komaxusa.com

Komax Wire is the market leader in wire processing equipment and solutions supplying a broad range of industries that includes the automotive, appliance, military, aerospace, telecommunications, medical, and industrial.

THE NEW EXPERT IN ROTARY STRIPPING:
Komax Wire has further strengthened its position in the wire processing industry by introducing the new Kappa 331. The Kappa 331 is a modular cut and strip machine with a rotating blade module that can cut through insulation down to thin ring around the conductor. This machine can be used for round, multilayer conductors with cross sections from AWG 23 to AWG 2. The Kappa 331 can process full to partial pull off operations and can manage stripping off jackets with or without shielding. The Kappa 331 raises the standards in rotary stripping with its high quality and precision.

INDUSTRY SERVICE LEADER:
Based in Buffalo Grove, IL and El Paso, TX, Komax Wire strives to maintain superior product quality and service. Service technicians are on call at both locations to service any customer in North and Central America. Komax Wire recognizes how important its machines are to its customer’s everyday business, which is why Komax strives to maintain 95% of its spare parts to be in stock if a problem ever arises. Service goes beyond the sale when purchasing a Komax Wire machine.

KEY PERSONNEL:
Komax Wire – North America
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Fax: 847-537-5751
Email: news.buf@komaxgroup.com
Web: www.komaxusa.com
MISSION STATEMENT:
Lloyd & Bouvier Inc. is committed to offering uncompromising quality machinery for the wire and cable industry, with competitive pricing and delivery.

COMPANY HISTORY:
Founded in 1989, Lloyd & Bouvier Inc. provides rebuilding, appraisal and brokerage services as well as new equipment fabrication to offer the best services, equipment and know-how in the industry. The 250,000 sq. ft. facility in Clinton, MA houses the main offices, a large inventory of used machinery, and a well-equipped machine shop for repairing, upgrading and retrofitting machinery to today’s standards.

PRODUCT LINES:
Lloyd & Bouvier’s primary product is used, rebuilt and reconditioned wire and cable equipment, from individual items such as payoffs, take-ups, strippers and Wardwell braiders, to complete lines for extrusion, cabling, respooling, taping, wire drawing and specialty applications. Each new or rebuilt machine or system is tested in-house before shipment to insure conformance.

An on-site electronics department and modern machine shop provide customers with the latest technology and expertise for virtually any wire/cable equipment need. Additionally, all electrical panels are built on-site, as well as their Roots-Tech brand of wire induction preheaters.

Lloyd & Bouvier’s management, sales and engineering staff has a combined total of over 200 years of wire and cable industry experience in manufacturing, sales, engineering, materials, and design, providing their customers with the ability to identify, and then provide, the best solutions to difficult or unique processing applications.

KEY PERSONNEL:
Ron Reed, President, Sales
Pete Kuipers, VP, Engineering
Mike McKee, Sales
Harish Panchal, Sales
Brian Bouvier, Sales
Carter Lloyd, Engineering

COMPANY HISTORY:
Since 1995, Lianda has been meeting our customers’ needs for specialty polymers and chemicals. We have established ourselves as a reliable source of high quality products for the Adhesive, Coating, Rubber and Plastic industries.
At Lianda, we take pride in building strong relationships by listening to our customers’ needs and offering innovative product solutions. Our customer focus, years of experience, knowledge, and dedication allow us to provide our customers with the highest level of services and expertise.
These core competencies have helped Lianda forge and maintain a leading position in the Rubber and Plastic industries.

CONTACT INFORMATION:
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Orders: orders@liandacorp.com

PRODUCT LINES:
WEIPREN® CPE, FKM, FLUOROCURE® FKM CURATIVES, CR, ECO, CSM, EPDM, LIANDOX® PEROXIDES, TRILINK® COAGENTS, NEW-SIL SILICA, TACKIFYING RESINS, SILICONE RUBBER, BROMO FR (Powder & MB)

TECHNICAL SUPPORT AND DEVELOPMENT:
Lianda’s 3,000 square foot lab provides capabilities in compound development, processability evaluation, and material characterization.
This enables Lianda’s TS & D team to increase the level of customer support by improving our ability to respond to technical requests and shorten response time.

WAREHOUSES:
Warehouses located throughout the United States to allow for expedient shipping.
McLube Division / McGee Industries Inc.

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www.mclube.com

Over 60 Years of Innovation & Commitment

The McLube Division of McGee Industries, Inc. has been manufacturing high-technology mold releases and industrial lubricants since 1954. Our products include water and solvent-based release and antistick coatings and a full line of oils, greases and dry film lubricants. Through seven decades of innovation, McLube products have earned an international reputation for performance and McLube people have earned worldwide industry recognition as expert problem solvers. At McLube, we’re specialists in assessing complex processes and unusual conditions—and developing solutions that work.

We’re experienced in solving problems for a broad industrial base. Team McLube technical experts work closely with our customers to obtain optimal performance with our standard products—and to develop special formulations to meet your unique process requirements. All with fast turn-around. And as we develop release and lubrication technology to meet today’s needs, we are actively engaged in researching and developing new technologies for the future. For technical assistance in selecting the appropriate McLube product, evaluating a McLube product under your operating conditions, or developing special formulations for your process: Simply call +1-800-2-MCLUBE (+1-800-262-5823).

Product Lines

• Barrier Release Coatings for Ease of Stripping
• Anti-Stick Coatings
• Assembly Lubricants
• Moly and PTFE Lubricants

Product Benefits

• Excellent Chemical and Thermal Stability
• Non-oily
• Dust Free
• Cost Effective
• Environmentally Safe
• Operator Friendly
• Water or Solvent Based
• Superior Adherence
• PTFE, Fluorochemical and Polymer Based Products
• Fast Drying
• Colorless

ISO 9001:2008 Certification
Samples Available By Request
info@mclube.com

Mission Statement:
Micro Products Co. is committed to providing the wire and cable industry with a wide variety of electric resistance butt and flash welders for continuous processing of wire, rod and cable.

Company History:
Micro Products Company was founded in 1928 in Chicago, Illinois. The corporate headquarters is located in Batavia, in the Chicago area, and the manufacturing plant in Peoria, Illinois. The company started out by producing a limited line of small butt welders for steel wire to allow for the continuous drawing of steel wire. It now manufactures over 50 models of butt and flash welders, including ceramic fusion welders for both stranded and solid conductors (steel, copper, aluminum).

Key Personnel:
William (Bud) Banks
President/CEO
Bill Keller
Vice President, Marketing

Product Lines:

• Butt welders and flash welders for solid steel and stainless steel wire in diameters from 0.005” up to 2.00”.
• Butt welders for nonferrous solid wire from 0.007” up to 2.00” diameter.
• Butt welders for nonferrous stranded wire ranging from 28 gauge through 2000 MCM. Higher capacities available.
• Custom rack, frame and ring welder systems.

Micro-Weld butt welders offer: Simplicity of operation, allowing any operator to make quality welds. The extra heavy-duty primary coils and secondaries in the welding transformers make them powerful and long-lasting.

Special Features:
• Manual or pneumatic clamping.
• Pivot-type or straight slide welding headpieces.
• Exclusive Micro-Weld manual or automatic annealing system.

• Dual high/low pressure systems.
• Self-aligning welding dies.

Special Services:
Reconditioning Service: for a welder as good as new for about half the cost of a new machine.
Sample Weld Evaluation: to evaluate the weldability and strength of customer’s stock sample.
Expert Technical Assistance: technicians offer advice and help even at customer location for efficient welding solutions.

Micro-Weld butt welders are being used in over 30 countries and the company offers service and support worldwide.

Sales Office:
Micro Products Company
1886 E. Fabyan Parkway
Batavia, IL 60510 USA
Tel: +1 630 406 9550 • Email: info@micro-weld.com
New Expanded Web Site: www.micro-weld.com

Micro-Weld butt welders offer: Simplicity of operation, allowing any operator to make quality welds. The extra heavy-duty primary coils and secondaries in the welding transformers make them powerful and long-lasting.

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Email: info@micro-weld.com
Web Site: www.micro-weld.com
MOSSBERG INDUSTRIES

204 North Second Street,
Garrett, Indiana 46738 USA
Tel: (260) 357-5141 • Fax: (260) 357-5144
Email: indiana@mossbergind.com
Website: www.mossbergind.com

COMPANY PROFILE
Mossberg Industries manufactures plastic spools and reels for a variety of extruded products. Mossberg has been supplying reels and spools for wire, cable, hose, tubing, tapes, rope and textile for over 90 years. Mossberg manufactured plywood and hardboard reels for many years before shifting to plastic exclusively. Our experience with injection molding, structural molding, rotation molding and extrusion allows the Mossberg team to design and build custom tooling to best serve our customer’s requirements.

COMPANY HISTORY
Nearly a century ago, leading wire producers approached Eber Hubbard of the Chicago Manufacturing & Welding Company. Because of the need for a quality steel spool for the packaging of copper wire, the Hubbard Spool Company was formed. In 1970, Mossberg Industries and Hubbard Spool joined forces to continue the effort to design and manufacture cost effective packaging reels and spools for manufacturers of wire and cable products, cordage products, rope, fiber optics, hose, tubing extruded materials or any other type of linear product.

Mossberg Industries continues to offer the experience to design and manufacture better plastic reels to replace steel reels, plywood reels, paper composition reels and nailed wood reels. Mossberg flanges are injection molded and cores are extruded in a variety of diameters that can be mixed-n-matched to offer the customer the largest selection of sizes. Our customers can build a custom reel for their requirements at an off the shelf price.

PRODUCTS
Mossberg’s unique heavy duty reels use a 1-piece mold design that produces a solid wire cavity with no junctures for high speed precision winding. No fasteners or hardware means consistency in the winding process.

The 3-piece style utility reels in flange sizes of 5”-24” offer flexibility to build customer sizes. Cores are extruded and can be cut to any length to make any traverse length required. Core diameters range from 1.88”-5” and can be matched up with a variety of different flanges. The 42” and 48” heavy duty plastic cable reels can easily handle weight loads up to 1500 pounds. These are excellent replacements for the plywood reels that splinter and cause hazard from nails or staples. The plastic reels can be broken down for transport after the cable is payed off.

QUALITY
We will never lower our quality standard or our commitment to providing the best customer service and we will never stop finding better ways to meet our customers’ expectations. We will always be an innovator that finds the better solution.

OTECH CORP.

4744 E. Oaknoll Road
Rolling Prairie, IN 46371
Phone: 219-778-8001
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Website: www.otechcompounds.com

OTECH CORP. develops, designs, and custom manufactures high-quality specialty PVC compounds, thermoplastic elastomers, and alloys for the electrical wire and cable industry. OTECH provides superior quality, industry-compliant products at competitive prices, and with unmatched service.

OTECH surpasses its competition in: customer service, innovation, product development, and quality. Skilled professionals work closely with each customer to improve existing products, develop new formulas, and ensure quick order delivery.

OTECH is the recipient of ISO 9001:2008 quality registration and countless UL testing approvals – including ones for highly-specialized flame-retardant compounds, low-temperature compounds, and thermoplastic elastomer compounds. OTECH is REACH / ROHS compliant.

All OTECH products are manufactured and made in the USA.

WIRE & CABLE PRODUCTS
- Thermoplastic Compounds
- UL Approved QMTT2
- Plenum/Riser
- Tray Cable/Wind Power
- Audio/Video

RECENT INNOVATIONS
- OTECH’s new FIREXIT® brand is the lowest-smoke formula in the wire and cable industry. FIREXIT® is the ultimate jacketing and insulation material for plenum, riser, and tray cable manufacturing applications. FIREXIT® is the safest product available for cable designers and installers.
- OTECH’s new custom polypropylene/EDPM compounds can be used in various industries, including the wire and cable market. The compounds are adaptable to extreme high and low temperatures (170° to -180°) and withstand high-speed, stressful conditions.

- OTECH continuously develops new products, such as a highly-acclaimed series of zero-halogen wire and cable products.

KEY PERSONNEL
Jack O’Donnell - President and CEO
Greg Gitto - VP of Strategic Business Development
Jason Page - VP of Engineering
Dave Adams - VP of Manufacturing
Jim Grimley - VP of Sales and Marketing

Sales Office
Email: info@otechcompounds.com
Phone: 219-778-8001
OUR DISTINCTIVE DIFFERENCE

P&R Specialty provides the wire and cable industry with flexible, fast, and responsive customer service; offering consistent on-time delivery performance that exceeds the customer expectations.

SERVICE

At P&R we believe in providing our customers quality products at competitive prices. Our industry leading customer service creates the most value for our customers, day in and day out. We deliver a complete, customer focused solution with scalable production capacity to meet changing customer demands.

COMPANY PROFILE

P&R Specialty is a customer focused Midwest-based leading manufacturer of fiberboard spools, plastic spools, and plywood reels for the wire and cable industries.

Offering a complete line of standard sized spools and reels, P&R is able to meet most wire and cable packaging requirements. We also offer in-house design and mold manufacturing capabilities for your custom spool and reel needs.

Our dedicated team of professionals works closely with our customers to understand their business requirements and provide solutions that will improve their operational efficiency and reduce cost.

P&R achieves a culture of operational excellence and superior customer service.

PRODUCTS

- Fiberboard Spools for welding wire, steel wire, copper wire, building wire, and many other types of wire, cable and cordage.
- Plastic Spools for welding wire, copper wire, fine wire, magnet wire, building wire, hose, tubing, rubber extrusions and other materials.
- Plywood Reels for welding wire, copper wire, building wire, wire rope, rope, cordage, hoses and other materials.

KEY PERSONNEL

- Greg Blankenship: President
- Alissa Blankenship: Vice President
- Mike Koon: Vice President Finance
- Vince Reidy: Vice President Sales
- Craig Stiefel: Business Development Manager
- Travis Plunkett: Customer Service Representative

Pittsfield Plastics Engineering, Inc.
& Precision Spools, Inc.

1510 Housatonic St. • P.O. Box 1246, Pittsfield, MA 01202 USA
Tel: +1 413 442 0067 • Fax: +1 413 445 7849
E-Mail: info@pittsplas.com • Web Site: www.pittsplas.com

MISSION STATEMENT:

PITTSGIELD PLASTICS will always be a company where customers deal with decision-makers and growth is based on exceeding our customers’ expectations. The company is also dedicated to innovation and product enhancement that parallels its commitment to its customers.

COMPANY HISTORY:

Pittsfield Plastics is located in the “Plastics Capital of North America,” Pittsfield, MA, USA. This is an area with a high concentration of technology, resources and employee training.

The company was started 40 years ago as an injection mold-making business by David and Dorothy Chiorgno. It has grown considerably.

President Tom Walker has created a team of talented people with extensive industry experience.

PRODUCT LINES:

- PPE is a full-service manufacturer and designer of plastic spools, bobbins, reels, dye tubes and tape cores. The company is proud of its innovative design and precision molded spools for high-speed winding, and is constantly improving its designs.
- PPE provides standard and custom products for the wire/cable, textile and solder coil winding, water filtration and medical industries, plus custom molding for industrial and medical clients. Customers enjoy durable recyclable materials, structural integrity and appealing, ergonomic designs.
- QUALITY STATEMENT: Quality assured through an audited Quality System to ISO 9001-2008 and state-of-the-art QC equipment/procedures.

SERVICES OFFERED:

- PPE offers the capacity to its customers’ concepts from initial prototype all the way through final decorating, assembly and packaging. Additionally, the company will deliver to meet its customers’ needs or their “zero inventory” assembly schedules.
- PPE is also a full-service plastic injection molding company. It offers high-capacity, fast-turnaround production of injection molded plastic parts and custom-designed molds from its state-of-the-art facility.

SALES OFFICE:

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& Precision Spools, Inc.
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E-Mail: info@pittsplas.com
Web Site: www.pittsplas.com
Sales: Nick Roth • nick@pittsplas.com
Southern Sales: Sam Parris sparris7@bellsouth.net

KEY PERSONNEL:

- Tom Walker, President/CEO
- Bruce Dixon, CFO/COO
- Norm Worden, VP of Operations
- Nick Roth, Sales/Marketing
- Sam Parris, Southern Sales
- Chrissy Morrison, Plant Manager
- Jan Crosier, Customer Service
- Sally Dodge, Customer Service
Pressure Welding Machines Limited (PWM)

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E-Mail: pwm@btinternet.com • Web Site: www.pwmltd.co.uk

COMPANY HISTORY:
British company PWM, which celebrates its 30th anniversary this year, is a world leader in the design and manufacture of high-performance cold pressure welding equipment and dies. PWM makes cold welders for a variety of non-ferrous applications, from fine wire to rod. Durable, accurate and reliable, PWM machines are precision engineered in PWM’s own British workshops to stringent quality control standards.

KEY PERSONNEL:
Steve Mepsted, Managing Director
With over 40 years’ experience of cold weld technology, Steve has an extensive knowledge of different welding applications, wire drawing and rod breakdown machinery.
Carole Cole, Export Manager
Carole handles inquiries from customers throughout the world, liaising with PWM’s network of agents and distributors and co-ordinating through PWM’s net.

PRODUCTS:
Hand Held Welders
Ideal for welding in confined spaces, the M10, M25 and M30 models are for wire sizes 0.0039” to 0.071”. The HP30 (pneumatic) provides an effortless weld on wire 0.118” to 0.079” diameter.

Workbench Welders
Strong and reliable, the manually operated BM10 Superfine, BM10 and BM30 for wire sizes 0.0039” to 0.071” can also be supplied with trolleys.

Trolley Mounted Welders
PWM’s portable welder models can be wheeled quickly to the work area to reduce downtime. The range includes the M101 (manual), P101 (pneumatic), and the HP100 and HP200 (air-hydraulic), for wire sizes 0.040” to 0.256”.

Rod Welders
The energy-efficient EP500 (electro-pneumatic), P1500 (electro-hydraulic) and P1000 (hydraulic) rod welders, with welding capacities from 0.197” to 1.181” copper/alu.

Machine Dies
Designed and made in PWM’s UK workshops, by the company’s own skilled craftsmen, PWM industry standard type dies are manufactured to customers’ specifications.

Download our Cable Guide catalog at ProcessSheaves.com for full specifications and prices.

Process Sheaves LLC
PO Box 150
Mystic CT 06355
Tel.: 860-440-8175 • Fax: 800-903-0991
E-Mail: sales@ProcessSheaves.com
Website: www.ProcessSheaves.com

COMPANY HISTORY:
Sheaves, Inc was started in 1989 by Charlie Morison to manufacture custom sheaves for the wire & cable processors and machinery OEMs.

Today the business is run by Dick Cazeault and Stew Walton, both with decades of experience in the wire & cable industry.

As the business grew strongly in other product areas, we created a spin off Process Sheaves LLC to better serve our original customers in the wire & cable industry.

This site is the most complete one stop source for all your wire & cable sheave & pulley requirements.

CURRENT ACTIVITIES:
We offer immediate shipment of stock sheaves and quick shipment of custom sheaves.

Download our Stock Process Sheave catalog at our new website ProcessSheaves.com for prices and specifications of aluminum, aluminum ceramic, UHMW, cast polyamide, and SX Polymer sheaves.

When off-the-shelf sheaves don’t meet your needs, call us to discuss your requirements and we’ll quote custom sheaves to fit your exact needs.

Download our Cable Guide catalog at ProcessSheaves.com for full specifications and prices.

PRODUCT LINES:
• Stock aluminum sheaves, plain and ceramic coated; 1-1/2” to 12” root diameter
• Stock SX Polymer sheaves; 3” to 14” root diameter
• Stock cast polyamide sheaves; 8” through 48” root diameter
• Custom sheaves in SX Polymer, UHMW, HDPE, Delrin, Nylon, Aluminum, and Steel

Dedicated to serving the W&C Industry

July 2014/Wire & Cable Technology International
OUR COMPANY HISTORY
PS COSTRUZIONI MECCANICHE is a worldwide well-known company manufacturing Automatic Coiling/Spooling machines, as well as rewinding lines, pay off stands and take-ups, since 1960.
PS machines have been sold all around the world. Many of PS Customers have purchased more than one line, which means they are satisfied with PS machines’ performance and would keep on their business relations with PS. PS offer a wide range of highly versatile products capable of meeting all Customers’ requests, thanks to PS in-house design and production departments, spares Office and Customers Care.

OUR COMPANY HISTORY

Meticulous analysis of the final cable packaging process, brought moreover to the realisation of the present automatic packaging lines (either on coils or on spools for both solid and flexible, round and flat, telephonic and power cables). PS lines can work both in tandem with Extruders, or off-line, as independent units. Their modular structure allows you to “build up” your packaging line, according to the Customer’s requirements.

PS PRODUCTS

Semi-automatic coiling/spooling lines:
• PS 60 MB
  Winding cable dia.: min. 1 mm - max 6 mm
  Production: 1 spool / coil 100 meters long per minute

Finished coiled product
- • PS 80 MB / MBN
  Winding cable dia.: min. 1 mm - max. 7 mm
  Production: 1.5 - 2 spools / coils 100 meters long per minute

- • PS 85 MB / MBN
  Winding cable dia.: min. 4 mm - max. 15 mm
  Production: 1 - 1.5 spools / coils 100 meters long per minute

Automatic coiling lines:
• PS 200/8-2 for short length coils
  Round cable dia.: min. 1 - max. 8 mm
  Flat cable dia.: max. 0.2 x 1 mm²
  Production: 10 coils, having a length of 5 and 10 meters, according to the cable size

- • PS 350/8-2

- • PS 400/8-2
  Flexible cable dia.: min. 1.5 mm - max. 8 mm
  Solid cable dia.: min. 1.5 mm - max. 6 mm
  Production: 6 coils 100 meters long per minute

- • PS 400/16 - PS 470/16
  Flexible cable dia.: min. 5 mm - max. 16 mm
  Solid cable dia.: min. 5 mm - max. 10 mm
  Production: 3.5 coils 100 meters long per minute

- • PS 600/25
  Flexible cable dia.: min. 8 mm - max. 25 mm
  Solid cable dia.: min. 8 mm - max. 20 mm
  Production: 2 - 3 coils 100 meters long per minute

Automatic spooling lines:
• PS 250/6B Double head spooling line
  Flexible cable dia.: min. 1 mm - max. 6 mm
  Solid cable dia.: min. 1.5 mm - max. 4.5 mm

Production: more than 4 spools 100 meters long per minute
- • PS 400/14B Single head spooling line
  Flexible cable dia.: min. 4 mm - max. 14 mm
  Solid cable dia.: min. 4 mm - max. 10 mm
  Production: 3 spools 100 meters long per minute

- • PS 630/15-2B Double head spooling line
  Flexible cable dia.: min. 6 mm - max. 15 mm
  Solid cable dia.: min. 6 mm - max. 10 mm
  Production: 1 spools 500 meters long per 76 seconds

- • PS 1000/22B Double head spooling line
  Flexible cable diam.: min. 8 - max. 22 mm
  Solid cable diam.: min. 8 - max. 16 mm
  Production: 1 spool 500 meters long per 85 seconds

Rewinding lines:
Suitable for cables having a dia.: min. 5 mm - max. 25 mm
Production: 30 coils 100 meters long
Reel Diameter:
- from 800 mm up to 1600 mm
- from 1250 mm up to 3000 mm

- • Double Spoolers PS DTU 1000/1250/1650
  Suitable for cables having a dia.: min. 3 mm - max. 30 mm
  Production: more than 2 spools 100 meters per 85 seconds
  Reel diameter from 300 mm up to 1650 mm

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KEY PERSONNEL:
Brian Getbehead
President
Mike Waterman
Sales Manager/North America
Ricardo Coronel
Sales Representative/Mexico
Ricardo.coronel@mejicoro.com
Jeff Willoughby
Sr. Engineering

MISSION STATEMENT:
RTD strives to act as a department within each of our customer’s facilities. RTD will continuously strive to better the bottom line of each customer by providing the best possible value for the lowest possible cost.

COMPANY HISTORY:
RTD was founded in 1982 by our current President Brian Getbehead. The company was purchased as Rome Tool & Die Co. The company was renamed RTD Manufacturing and moved into equipment manufacturing for the copper wire industry. Both Brian and sales manager Mike Waterman had a combined 40 years’ worth of experience in the wire and cable industry at Bartell Machinery Div. of National Standard Corporation before the build-up of RTD Manufacturing. To date, they have over 80 years combined experience in the industry. North American Sales Manager Mike Waterman says, “We remain a family owned firm with a sound quality mind set. We moved away from the larger corporate setting to have more control over our own destiny and have found our niche in the industry.”

PRODUCTS:
- Multi-wire Payoffs
- Multi-wire Accumulators
- Flyer Payoffs
- Baskets / Carriers
- Steel Skids for Din Reel
- “Coming Soon” Rod Payoffs

RTD continues to supply the North American market with payoff equipment for several of the multi-wire producers as well as end customers that prefer to buy directly from RTD. “We have a vast array of multi-wire payoff configurations to meet the needs of any wire facility” stated Waterman. “We find that a standard payoff system is not the normal request. We can work with any requirement that our customers have to deal with in regard to facility layouts. Custom systems seem to be the norm for our firm. We pride ourselves on developing a payoff solution under difficult plant layouts. We have also incorporated some new features and improvements to our payoff systems to reduce maintenance costs and reduce operator intervention during change-over.”

RTD is a leading manufacturer of Flyer Payoff equipment as well. Utilizing magnetic hysteresis clutches that eliminates the requirement for air or electric lines to clutter the floor. Smooth consistent tension is a must. Not all magnetic units are created equal. Let RTD show you the proven difference in magnetic technology.
COMPANY PROFILE
As one of the leading international manufacturers of high-precision cable processing machines, Schleuniger offers a comprehensive range of products for virtually all applications. Whether cutting, stripping, crimping, sealing or marking, Schleuniger’s automatic and semi-automatic machines process cables reliably, economically and precisely. And with an extensive range of global service products, Schleuniger will assist you in achieving precision results throughout the entire life cycle of your equipment.

Innovative new product design, long-term experience and open communication with our customers is how Schleuniger’s product range has been consistently refined and grown since 1975. Wherever cable or plug-in connections are in use, the Schleuniger solution is never far away. Whether for the automobile, entertainment or communications industry, with household appliances, medical technology or computers—from coffee machines to game consoles, mobile phones to aerospace technology—more than 10,000 companies worldwide rely on the efficiency of Schleuniger cable-processing solutions. To put it another way, what transports, protects, amuses, cares or provides for people almost always contains a little piece of Schleuniger technology.

At Schleuniger, we claim “To Be Precise” with good reason. That is our passion and the standard we set for ourselves.

COMPANY HISTORY:
Tips and Dies, Inc, was founded in 1986 by Jim Milliman and his father Everett Milliman, to supply the wire and cable industry with extrusion tooling with a strong emphasis on short lead time for delivery as well as quality that exceeded expectations. In 1989 they designed and patented the Bull’s-Eye® fixed center crosshead which was the first of its kind in the industry. This technology gave birth to the Vortex®, Dead Ringer®, Paradox® and Riptide® lines.

In 2002, their sales, manufacturing and engineering was relocated from Camden, NY to Rome, NY just 20 minutes away.

With total commitment to on time delivery, quality and service, Tips and Dies has become an industry leader and raised the bar on customer expectations.

PRODUCT LINE:
• Vortex®
  This line is offered in true fixed center, die adjustable, ‘set it and forget it’ and fully adjustable versions. Single and dual heat zone, single and dual layer, with or without stripe and multiple flow diverter options allow the crossheads to be designed for a customer’s individual needs, should they be thermoplastics, thermostor or fluoropolymers.

• Dead Ringer®
  Like the Vortex®, this line offers single layer, dual layer and striping options plus allows die holders with individual capabilities for stripe, dual layer and CV adaptation. It is most similar to the original Bull’s-Eye® design.

• Riptide®/Ebb-tide
  It’s design is unique to the Vortex® and Dead Ringer® as this was developed primarily for production of multi-conductor, flat ribbon cables. It is by far the most simple of all their models and with the use of the Ebb-tide capsule tool changeovers are lightening fast.

INDUSTRY & APPLICATIONS:
Wire & Cable  Medical Tubing
Aerospace  Fiber Optics
High Temperature/Fluoropolymers  Low Temperature/Thermoplastics
Moisture Cure  CV
Medium Voltage  High Voltage
Power Cables
Single Layer to Multiple Layers
Single Stripe to Multiple Stripes

KEY PERSONNEL:
James A. Millman,
Design & Engineering
Peter Scribbner,
Engineering & Technical Service
Brenda Milliman-Murphy, Larry Derrick, Dan Kiser, Gary Johnson,
Customer Service & Technical Support

QUALITY COMMITMENT TO 100% CUSTOMER:
Satisfaction: ISO 9001 Certified.
WCISA® Wire and Cable Industry Suppliers Association®

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E-mail: info@wcisaonline.org, Website: www.wcisaonline.org

WCISA® members are North American-based suppliers of machinery, materials and accessories for making all types of wire and cable. WCISA is a nonprofit, corporate membership organization.

WCISA’s mission is to promote its members’ products and services by providing its members with promotion, representation, networking/social opportunities and services at domestic and international wire and cable trade shows and conferences. In pursuit of its mission, WCISA works with leading industry associations and organizations including the following:

Complete Member and Product Directories can be viewed online at www.wcisaonline.org.

To apply for membership, send the following information to WCISA at info@wcisaonline.org:
- Company Name, Contact Name & Title, Company Address, Phone & Fax, Web Site & E-Mail
- Description of Products and Services (50 words or less)
- Annual dues are US$300 per company. The WCISA Board of Directors will vote on all membership applications.

Web Industries, Inc.

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Sales
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E-Mail: sales@webindustries.com • Website: www.webindustries.com

INNOVATIVE COMPONENTS FOR NEXT-GEN CABLES
Web Industries is the premier provider of custom cable components for the wire & cable industry. We offer a wide range of products and services to all key segments of the cable market, including power, energy, control, datacom, and telecom.

Leading cable manufacturers turn to Web Industries when they need to get cutting-edge cable designs to market quickly and economically. They trust Web to develop and deliver unique binders, fillers, and signal isolation tapes designed to exceed specifications and help their products stand out in the marketplace.

MANUFACTURING EXPERTISE
Web Industries has over 40 years experience producing materials and components found in most every type of cable on the market today:
- Signal Isolation Tapes
- Cable Fillers and Binders
- Armoring, Wraps, Jacketing

WORLD-CLASS SERVICES
Web Industries’ reputation as a trusted supplier to best-in-class cable manufacturers was earned through the quality and depth of our:
- Custom Materials Development
- Tailored Component Performance, including REACH & RoHS compliance
- Specialty Film Extrusion
- Slitting, Spooling, Winding
- Coating, Printing, Laminating
- Spool Refurbishment

SUPERBULK® Polypropylene Cable Filler


SUPERBULK® Polypropylene Cable Filler

earned through the quality and depth of our:
- Custom Materials Development
- Tailored Component Performance, including REACH & RoHS compliance
- Specialty Film Extrusion
- Slitting, Spooling, Winding
- Coating, Printing, Laminating
- Spool Refurbishment

OUR LATEST SUCCESS STORY: ZHFR SUPERBULK
The latest addition to our SUPERBULK® polypropylene cable filler family, ZHFR SUPERBULK allows cable manufacturers to easily add cost-effective flame-retardant properties to mission-critical cables. Developed to meet strict military, transportation, and energy industry needs, this REACH and RoHS compliant cable filler is lighter, stronger, and safer than traditional alternatives. Currently used in NAVSEA-approved products, it combines outstanding flame retardancy with zero-halogen, zero acid gas, low smoke/fuel density performance.

CULTURE OF CONTINUOUS IMPROVEMENT
The employee-owners of Web Industries know that our success depends on the success of the products we’re in. We’re committed eliminating waste and process variability using Six Sigma and Lean Manufacturing principals. Our strong Quality and ERP systems ensure that all materials meet rigorous specifications and traceability requirements while providing the best value available in the marketplace.

LET’S DO BUSINESS
Whether you’re developing the next great cable product or looking to add additional performance to existing product lines, Web Industries can provide the innovative cable components you’re looking for. Call Web Industries. Let’s do business.
Wire & Plastic Machinery Corporation
100 Franklin Street
Bristol, CT 06010 USA
Tel: +1 860 583 4646
Fax: +1 860 589 5707
E-Mail: sales@wireandplastic.com
Web-Site: www.wireandplastic.com

MISSION STATEMENT:
To be a one stop worldwide value provider of high quality second-hand equipment to the non-ferrous wire & cable industry. Offer the most comprehensive range of wire, cable, and optical fiber machinery products to our customer base. Offer quality rebuilding services at competitive prices with short delivery times. Continually acquire and source high quality machinery items.

COMPANY HISTORY:
Founded in 1981 as a dealer of pre-owned wire & cable machinery, the company has expanded its range of services to include reconditioning, brokering, equipment appraisals, plant liquidations, and international sales & support.

PRODUCT LINES:
The Worlds Largest Inventory when searching for equipment and value. With over 3 million sq. ft. of warehousing occupied by 30,000+ items allows us to provide a rapid solution for almost any equipment need.

Witels Albert USA, Ltd.
208 East Pier Street Unit B
Oxford, MD 21654 USA
Phone 410-228-8383 E-Mail: info@witels-albert-usa.com
Fax 410-228-1813 Web www.witels-albert-usa.com

FOUNDING PRINCIPLES:
The use of modern production and engineering technologies to ensure the highest product quality. Optimum production organization and control (KANBAN) ensure the rapid availability of all products.

Continuous investments in R & D result in constant innovation. Our patents and our new and further developments are the result of this policy. This associated basic research provides us with the knowledge, which is vital for an understanding of the straightening process and the processes, which precede and follow it.

We match our equipment to the individual wishes and needs of our customers with:
• a wide range of product types,
• different sizes,
• varying numbers of rolls to suit the application,
• a wide range of ancillary products, and
• a wide ranging production program covering straighteners, straightening rolls, roller guides, drive systems, preformers as well as products for the cable industry.

A worldwide customer service-focused sales organization.

Bare Wire Machinery
Wire Drawing, Stranding (Rigid/ Tubular), Bunching (Single/ Double Twist)

Electrical & Insulated Cable Manufacturing Machinery
Extrusion Lines (Hi Temp / Plastic / Rubber), Rotating Equipment (Planetary / Drum Twisters / S.T. & D.T Cablers / Twinners)

General Cable Handling
Payoffs, Take Up, Caterpullers, Capstans / Rewind Lines

Fiber Optic Products
Coloring Lines, Tight Buffer & Loose Tube Lines, SZ & Ribbon Stranding, Fiber Sheathing Lines

Other Categories
Braiding, Electroplating, Printing, Taping, Corrugating, Accumulating, and Testing Equipment

Machinery sold: “AS IS”, cleaned, painted, checked for operability or completely rebuilt with new electrical package.

KEY PERSONNEL:
Rick Narang, President
Rahul Sachdev, Executive Vice Pres.
Denis Godin, Vice Pres. Engineering
Greg Malcervelli, Vice Pres. Sales
David Forber, Intl. Sales Consultant
Rishi Narang, Marketing Manager

ASSOCIATION/MEMBERSHIPS:
• Wire Association International
• Wire & Cable Clubs
• IWMA (International Wire Machinery Association)
• WCISA, MDNA

Wire & Plastic Machinery Corporation
100 Franklin Street
Bristol, CT 06010 USA
P.O. Box 2928
Bristol, CT 06011 USA
T +1 860 583 4646
F +1 860 589 5707
sales@wireandplastic.com
www.wireandplastic.com

PRODUCT LINES:
• Rotary & roll-type straighteners in over 17 models for material dia. up to 40mm. Models come with 3 to 14 rolls in single or double plane arrangements.
• Roller guides - 15 models up to 250mm diameter. Chromium plated, hardened, plastic, rubber with no-maintenance bearings.
• High-quality rolls with a thick outer ring, which avoids oval squeeze and early wear.
• Preform heads for many rope/cable diameters, different lay length/central adjustment.
• Drive units for flexibility in existing lines when more pulling force is needed.
• Simulation program – software for the determination of roller positions based on the wire straightener parameters and material specifications.
• Specialized solutions – offering seminars, training, and education in the operation/maintenance of our equipment giving us the advantage of providing better quality and consistency in the straightening process.

HEADQUARTERS:
Witels Apparate-Maschinen Albert GmbH
Malteserstraße 151-159
D-12277 Berlin, Germany
T: +49 30 72 29 88-0 • F: +49 30 72 39 88-88
info@witels-albert.de • www.witels-albert.de

COMPANY BACKGROUND:
Witels Albert specializes in the straightening and guidance of endless materials and builds machines to perform these operations.
The firm’s history dates back to 1946 for Witels and 1898 for the Albert Co. Hermann Albert, Eckehard Albert’s great grandfather, founded the Albert Co. Walter Wittig founded the Witels Co., which was taken over in 1969 by Eckehard Albert. In 1970, Witels Albert Germany Co. expanded activities in the development of straightening devices and other tools for the wire industry, which they have supplied since the 1900’s. In August 1996, Witels Albert – Berlin established a sales office in the USA. Following Mr. Albert’s retirement in 2001, the company continues to remain the industry leader in new innovations for the wire/cable industry.

KEY PERSONNEL:
Witels Albert USA, Ltd.
Bob Flower, Jr. – General Manager
Witels Apparate-Maschinen Albert GmbH
Marcus Paech – Tech. Managing Director
Horst Schneidereit – General Manager

Associate Members:
WCISA, MDNA