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<td><a href="http://www.adtradingllc.com">www.adtradingllc.com</a></td>
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<td>AIM Inc.</td>
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<td>Maguire Machinery, Inc.</td>
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<td>Witels Albert USA, Ltd.</td>
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COMPANY PROFILES, published annually in the Fall issue of *Wire Forming Technology International*, are available online by visiting www.wireformingtech.com
COMPANY PROFILE:
Based in Rock Creek, Ohio, A&D Trading LLC supplies the spring and wire forming machinery available from Primera Precision Taiwan CNC Spring Machinery.
Also, A&D Trading is now the US Agent of SHINKO.
Equipment offered by A&D Trading LLC includes 2-axis spring coilers, 5-axis spring coilers, CNC spring coilers, two-dimensional wire benders, and three-dimensional wire benders as well as the company’s Auto Decoilers and SCADA production control system.

PRODUCTS:
• 2-Axis Spring Coilers
  - CS-208 (0.1 - 0.8 mm)
  - CS-216 (0.4 - 1.6 mm)
  - CS-226 (0.8 - 2.6 mm)
  - CS-250 (2.0 - 5.0 mm)
• 5-Axis Spring Coilers
  - CNC-508 (0.13 - 0.8 mm)
  - CNC-516 (0.7 - 1.8 mm)
  - CNC-528 (1.4 - 2.8 mm)
  - CNC-5A30 (1 - 3 mm)
  - CNC-5A50 (2 - 5 mm)
  - CNC-5A80A (3 - 8 mm)
  - CNC-5A120 (6 - 12 mm)
• 6-Axis Spring Coilers
  - CNC-6A30 (1.0 - 3.0 mm)
  - CNC-6A50 (2.0 - 5.0 mm)
  - CNC-6A80A (3.0 - 8.0 mm)
  - CNC-6A120 (6.0 - 12.0 mm)
  - CNC-6A160 (8.0 - 16.0 mm)
  - CNC-6A200 (11.0 - 20.0 mm)
• CNC Verstile Spring Coilers
  - CNC-620W (0.2 - 2.3 mm)
  - CNC-635W (2.0 - 4.0 mm)
  - CNC-650W (2.3 - 5.0 mm)
• 2D Wire Bender
  - WB-380 (3.0 - 8.0 mm)
    for low-carbon steel 1006
• 3D Wire Bender
  - WB-4120 (5.0 - 12.0 mm)
    for low-carbon steel 1006
• Auto Decoilers
  - FS-1200 (1000 kg capacity)
  - FS-2500 (2000 kg capacity)
• SCADA System
  Connects all automatic and semi-automatic production machines and manual assembly benches with your computer network to link production with operational programs.
• 16 axis versatile
  Spring forming machine
  - CNC-1320W (0.2-2.3 mm)
• UniBend Wire
  Bending Machinery
  - RB-500-6” Electric rotary bending machine
  - M1 manual hand bending machine
  www.unibend.com
• ZX-250 High Speed
  Universal forming Machine
  0.6 - 2.5 mm
  14 axis maximum

SERVICES:
A&D Trading LLC offers the spring making and wire forming industry with a variety of services including the following:
• On-Site & Off-Site Training
• Consulting
• Equipment Servicing
• Mechanical Torin
  Segment-Type Training

SALES OFFICE:
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Website: www.adtradingllc.com
AIM, Inc.
Automated Industrial Machinery, Inc.
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Addison, IL 60101-4423 USA
Tel: +1 630 458 0008 • Fax: +1 630 458 0730
E-Mail: sales@AimMachines.com
Web Site: www.aimmachines.com • www.aimeupesas.com

COMPANY PROFILE:
Founded in 1992 by Constantine Grapsas, AIM, Inc., has grown to become the premier CNC wire bending machine supplier serving customers worldwide. AIM manufactures two-dimensional and three-dimensional CNC steel wire bending machines. The company is an active exporter via its manufacturing facilities in North America and Europe with an established customer base in North America, Asia, Europe, and South America.

AIM is committed to solving customer application problems. The first machine built by AIM, produced repeatable and highly accurate parts fast and efficiently. The AccuSpiral, the only CNC wire forming machine allowing automatic programming for flat spiral shapes using just three data points, revolutionized the HVAC industry. Since its humble beginnings, AIM has grown to include over 20 models of 2D and 3D CNC wire benders, including single head and double head benders. AIM has been in the Inc.5000 list for three years in a row and received the exports award two years in a row from the state of Illinois.

The modular design AIM employs provides unprecedented machine upgrade flexibility and versatility. 2D machines can be configured to make rectangular frames as large as 72” (1828 mm) by simply changing frame modules. Both 2D and 3D machines can expand to accommodate accessory machine modules. These include chamfering, butt welding, end forming, drilling, marking, threading, and press operations. Many of these modules are offered in-line, allowing for turn-key end product manufacturing.

AIM provides further integration capability in partnership with Fanuc Robotics. AIM has installed complete systems integrating the AIM wire bending machines with Fanuc’s articulated robots for complete light out operation, allowing the customer to achieve new automation capabilities.

With technical sales representatives throughout the Americas, Europe, Asia, and in strategic locations throughout the globe, AIM supplies the world with wire manufacturing automation solutions.

MISSION STATEMENT:
“TOTAL CUSTOMER SATISFACTION”
AIM’s mission is to provide total customer satisfaction by serving the manufacturing industry honorably and providing products and services of superior quality and at a fair price. AIM consistently puts customer interest first and continually improves its products, offering the best value CNC wire bending machinery solutions.

MARKETS SERVED:
AIM serves contract wire fabricators and manufacturers who form wire as product line components. The equipment supplied is used to support automotive, medical, point-of-purchase display, refrigeration, food service, HVAC, storage, material handling, construction and many other OEM applications.

PRODUCTS:
• AFC line: the highly robust and efficient AccuForm Compact series feature up to 10mm wire capacities, complete with a 15” touch screen Industrial PC running Windows® XP Pro, SmartEditor® and most of the features of its “big brothers” AFM models in a smaller footprint.
• AFT line is the simplest programmable CNC machine available in the market capable of bending wire, tube or rebar. Capacities available currently for up to 16mm (0.875”) solid bars or #7 rebar. Takes pre-cut material, manually loaded or from a hopper option and uses XYZ, LRA or CAD file programming. Available in single, 2 or 3 axis versions.
• “Synchro” Bender: AFM-3DxS is similar to our AFM 3Dx models with an addition of three satellite benders (Patent Pending) that make this the most versatile 3D CNC bender available in the worldwide market.
• TWx / T-Welding models for cross wire welding offer automated and complete solutions for air filter and shelving manufacturers.
• AFE 2D/3D line is a very competitive Two or three-dimensional machines, starting with 2 mm (0.08”) diameter and going to 12 mm (0.472”) diameter steel wire. These machines rival any three-dimensional manufacturing process and surpass with their value and production efficiency.
• AFM 2DH and 3DH are large envelope production capacity machines with Double Head bending technology for large symmetrical and asymmetrical wire forms made faster with higher precision. AIM’s Smart Editor™ machine graphic simulation software offers collision detection features.
• AFM modular machines offer a standard two year warranty with unique programming features. The AFE lines carry a standard one year warranty and AIM’s total customer satisfaction commitment. AIM is continually pushing the envelope in machine design with several new product developments. See the AIM website for the newest products.

PERSONNEL:
Constantine Grapsas
CEO

ASSOCIATIONS:
AWS-American Welding Society
IWMA-International Wire Manufacturers Association
NAM-National Manufacturers Assoc.
NFPA-National Fire Protection Assoc.
WAL-Wire Association International
WCISA-Wire and Cable Industry Suppliers Association
WFA-Wire Fabricators Association

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T: +30 (213) 005 8004
F: +30 (213) 005 7768
E-mail: sales@AIMeuropesas.com

MARKETS SERVED:
We have expanded our “reach” and also have more reps. Visit the AIM website for the latest listings: www.aimmachines.com

We currently have sales offices in Argentina, Australia, Brazil, Canada (2), China, Columbia, Czech Republic, France, Germany, Greece (our European Headquarters and manufacturing, AIM Europe SA), India, Italy, South Korea, Malaysia, Mexico, New Zealand, Poland, Romania, Russia, Slovenia, Spain, Sweden, Thailand, Taiwan, Turkey, Ukraine, USA (7), and Venezuela.

Fall 2016/Wire Forming Technology International 75
Three is the Magic Number for Alloy Wire, as Customers Access Technical Expertise, Fast Lead Times and Quality

Technical support, fast lead times and quality continue to be the main reasons behind customers buying from Alloy Wire International (AWI).

The UK specialist manufacturer of round, flat, shaped and electrical resistance wire, which has a US base in Rhode Island, has enjoyed another year of growth, with demand increasing from customers involved in automotive, aerospace, spring making and high value engineering.

An ongoing commitment to work towards the ‘Fit For Nuclear’ standard has also seen an upturn in enquiries from this vibrant sector.

Over the last twelve months, AWI has travelled to more than 15 different countries to meet with prospective clients and has invested in excess of £100,000 on attending some of the world’s leading shows, including CASMI, Farnborough, Wire 2016 and the Offshore Technology Conference.

“It doesn’t matter where we travel or the exhibition we attend, our staff are continually told the reason people choose us is because of three main benefits we provide,” explained Mark Venables, Managing Director at Alloy Wire International.

“The first one is technical support. Customers know they can come to us with an enquiry or manufacturing issue and our experts, who have more than 100 years’ combined experience between them, will talk through the problem and come up with a quality solution that works.”

He continued: “Secondly, our lead times are some of the best in the industry. We appreciate that our clients need their wire quickly and, on most occasions, we can get it to them within two weeks of the order being placed.

“This isn’t just for the UK, but for companies all over the world in Australia, Japan, the US and Mexico. It could be even quicker if they utilise our Emergency Manufacturing Service (EMS).”

The final element of the Alloy Wire ‘triangle’ is the significant investment it makes in ensuring all of its material is manufactured to the highest possible quality, no small feat when it holds more than 85 tonnes of stock in over 60 DFARs compliant alloys at any one time.

This gives the customer complete flexibility and peace of mind that AWI will hold high performance wire, available in all the sizes and thicknesses they could ever require.

Pete Lambe, Technical Director

Stuart Hardwick, Wire Annealing Technician

Mark went on to add: “We talk to our clients regularly, listening to them and incorporating their feedback positively in how we deliver a better service.

New Developments

Alloy Wire, which holds the AS9100 aerospace accreditation, is a world leader in the manufacture of precision drawn round wire, flat wire and shaped wire and sends its products to more than 52 countries across the world, including China, Germany, Italy and India.

2016 marks its 70th year in business and to celebrate the major milestone it has embarked on a number of ‘new developments’, including expanding its 60-strong material range to feature Nimonic C-263, Super Duplex, Titanium Grade 1, Titanium Grade 2 and Alloy 685.

It is also in the process of launching a new ‘Alloy Wire’ app, which will give customers – for the first time – easy access to all of its wire, its properties and sizes via their mobile. They can also place enquiries by the simple click of a button.

Development is well underway and early estimates suggest the ‘app’ will be tested during the remainder of the year, with view to launching early 2017.

“A lot of time and money has gone into creating a world class brand, but you can’t just stop investing…it has to be a continuous process,” explained Angus Hogarth, Sales Director at AWI.

“We conducted a customer feedback exercise and it told us that our clients wanted to access our information across a range of platforms…the web, talking to an expert over the phone and through their mobile, hence the launch of the app.”

He concluded: “They also informed us that the Technical Brochure, an 84-page publication providing specification data sheets on each alloy we produce, remains important to their purchasing decisions.”
COMPANY HISTORY:
The establishment of Dell Marking Systems took place in 1973, with a promise to continuously provide innovative marking solutions, superior customer service, and a resource to all customer requests.

The founding fathers had a combined experience of over 80 years in chemistry and engineering. The operating premise was created to not only provide customers with the products they needed, but also with the services required for each product to ensure the successful future of customers.

COMPANY PROFILE:
Dell Marking Systems has pioneered new technologies in industrial process marking, enabling virtually any spring or wire manufacturing process to improve its end product quality by identifying important information instantly while in-process. Dell’s marking systems provide a cost effective, safe, reliable way to visually identify any manufacturing production, quality control, inventory, part/assembly matching.

Dell Marking Systems has built a reputation as the premier global supplier of innovative identification solutions by:
- Assembling a team where creativity and innovation are the driving forces of the future.
- Committing to excellence in design, production, and customer service.
- Striving continuously to improve the quality and value of our products and processes.
- Offering the most value-added and unique identification concepts.
- Developing long-term partnerships with customers that lead to mutual growth and prosperity.

PRODUCT RANGE:
Dell Marking manufactures contact and non-contact marking systems, devices, parts, and supplies, automated ink spray nozzles and guns, and marking inks enabling any spring or wire manufacturing process to improve its end product quality by identifying important information instantly while in-process. Products offered include:

**Non-Contact Systems:**
Provide a controlled size spot on moving or stationary springs or wire.

**Contact Systems:**
Automated or manual light touch mark that can mark the side of a wire or spring.

**Inks:**
Water or solvent based to mark any spring or wire substrate.

KEY PERSONNEL:
Mike Grattan
Joan Abraham

SALES OFFICE:
Dell Marking Systems
6841 N. Rochester Road
Rochester, MI 48306 USA
Tel: 1 248 547 7750
Fax: 1 248 544 9115
Website: www.dellid.com
E-mail: info@dellid.com
NEW AND EXCITING DEVELOPMENTS AT FENN:

FENN is a global supplier of innovative, state-of-the-art metal forming machinery with over 116 years of experience.

In 2014, FENN was acquired by Quality Products Inc., joining their portfolio of like-minded U.S. manufacturers, who are proud to keep it ‘Made in America’.

Under the leadership of new president and BHS-Torin veteran Ryan Cutter, FENN continues to focus on cutting edge technology and product development. FENN’s decades of experience paired with a focus on continuous improvement provides customers with the tools necessary to drive their business in today’s competitive global market.

CUSTOMIZED SOLUTIONS FOR ANY APPLICATION:

FENN provides a complete line of metal forming equipment, working with each customer to create a customized machine suited to their specific application. FENN’s product lines include Rolling Mills for hot or cold rolling of ferrous and nonferrous strip or wire, and Wire Flattening and Shaping Lines to form natural flat or shaped wire. FENN’s engineering staff review each application and determine the correct equipment for your needs, keeping in mind the cost, size, and desired speed of your application. Shaped wire applications may also include Turks Heads for forming a variety of shapes directly from round wire at high production speeds. In addition, FENN manufactures Drawbenches for straight length die drawing and Swagers for the reduction forming of tube, rod or wire.

FENN also produces its Torin® line of Spring Coilers, which create a wide variety of spring types, all on a single machine. FENN’s team works with each client to understand their production needs, and builds a machine per their requirements. Examples of previous customized applications include constant force, left hand configurations, integration of wire shaping equipment, and specialized tooling.

FENN has produced equipment for a wide variety of industries, from nuclear research to medical applications and renewable energy. The possibilities are endless with the customization of FENN’s diverse range of equipment, and FENN works diligently to develop partnerships with each client to ensure a specialized solution that increases the quality and production within their operation.

FENN’S FOCUS ON INNOVATION:

In 2016 alone, FENN has undertaken research and development projects for the majority of its product lines, beginning with the Torin FZ Series Spring Coilers. Not only does this new series have a sleek, updated style; but they now offer a variety of optional features that meet the diverse requirements of the spring making industry. The SpringPortal capability allows for a secure connection to your machine by FENN technicians, allowing technicians to see what’s happening to your machine remotely to resolve your issues quickly. The SpringVision Camera Gauge option gives customers the capability to measure and adjust the springs free length, pitch and diameter in real time without interaction from the operator. And the SpringShortcut spring generator program now accelerates the spring program development process by allowing the operator to enter a few characteristics to generate a program.

FENN’s Wire Flattening and Shaping Lines, Swagers, and Rolling Mills have also undergone enhancements in design, with a roadmap of additional developments planned for the months ahead. “2016 has been a year of immense growth for FENN, allowing us to focus largely on delivering customized, cutting edge technology to our customers,” said president Ryan Cutter. “We’re excited about all the new innovations FENN has to offer, and will continue with a rigorous schedule of development.” With new leadership, increased R&D, and a focus on innovation, FENN continues to be the leader in the metal forming industry. If you’d like to learn more about FENN and the applications they serve, visit them at the website, Fenn-Torin.com.

FENN’s new FSL Series wire shaping line.
MISSION STATEMENT:
Forming Systems, Inc. is dedicated to providing our customers with the best possible manufacturing option by supplying leading global technologies for the wire forming and spring making industries. Forming Systems Inc. will provide excellence in products, service, and value.

MARKETS SERVED:
• Spring Making
• Spring Testing & Analysis
• Spring Grinding
• 2-D Wire Forming
• 3-D Wire Forming
• Tabletop Benders for Wire & Strip
• Wire Forming & Welding Systems
• Wire Form w/ Automated Secondary Operations
• Ring Coiling
• Spring Grinding
• Vision Inspection and Gaging Systems
• Ovens-conveyor, box, spiral

PRODUCTS & SERVICES
• HTC Spring Machinery, a world leader in design and development of high speed spring and wire forming machines. HTC specializes in precision 2, 4, 7, 9, and 12 axis CNC production machines for the manufacture of compression, extension, garter, torsion, double torsion springs, and wire forms. HTC is recognized for superior performance, service, reliability, and continuous product development. Wire range: .02mm–17mm.

• HSI specializes in the production of accessory equipment for the spring industry. HSI’s extensive line of support equipment includes conveyor ovens, box ovens, and spiral ovens used throughout the world by leading spring making companies. HSI is also recognized for their complete line of payoff reels, part collectors, spring testers, spring gages, and part sorters.

• Jaykase Manufacturing Company’s programmable tabletop bending machines have revolutionized small order and prototype production with their all new CNC tabletop benders.

• OMD sets the standard for spring grinding machines used throughout the world. OMD provides world class crush, downfeed, and wet grinding machines for the finest wire sizes up to 100mm (4") wire diameter.

• T. Butler Engineering Ltd., provides leading edge technology for high-speed automated production of complex wire forms and springs, eliminating the need for costly secondary operations. Applications include automotive components (brake springs, seating, lumbar, retainers, rods, etc.), medical, bedding forms & springs, lawn equipment, and more. TBE recently introduced the MULTIBEND series of multi-axes wire forming machines utilizing AB Control Systems. Forming Speeds have increased up to 30%.

HEADQUARTERS
Forming Systems, Inc.
P.O. Box 694
Schoolcraft, MI 49087

FACTORY
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Schoolcraft, MI 49087

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Fax: 269-679-3567
Email: info@formingsystemsinc.com
Website: www.formingsystemsinc.com
COMPANY PROFILE:


Gibraltar Corporation offers a full line of standard machines to the spring making and wire forming products industry. The array of equipment includes CNC coilers, radial forming machines, wire forming machines, lathe coilers, ring coilers, garter spring machines, power spring coilers and hot winding equipment and leaf spring machinery as well as custom machinery.

EQUIPMENT MODELS:

Spring Forming Machines (3-13 axes)

Features & Options:
• Servo Feed and Cam
• Rotating Wire
• Rotating Quill
• Servo Slides

Simco CNC Coilers

Featuring Multi Axes CNC coilers from 3.0-30.0 mm (.118"-1.18")
• Dual Computer
• Fast Changeover
• Retractable Arbor
• Yaskawa Servo Motors/Drives
• Torsion Capability (Tooling Options)
• Integrated Optical Camera Gage (Optional)

Grinders

CNC & Crash Grinders from 12"-36" single and tandem grinders both dry and wet grinding.

Delta Eco Line of Coilers & Formers

2-11 Axes CNC coilers up to 4 mm/.156" wire

KEY PERSONNEL:

Michael Shapiro
Janet Montes
Yuval Terem

NORTH AMERICAN SALES OFFICE:

Gibraltar Corporation
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Fax: +1 224 723 5530
Web Site: www.gibraltar8.com
E-Mail: mshapiro@gibraltar8.com
**MISSION STATEMENT:**
Maguire Machinery, Inc., is dedicated to providing outstanding sales and service for spring coiling, wire forming, ring making and wave spring machines as well as a wide variety of other production equipment.

**PRODUCTS OFFERED:**
Maguire Machinery, Inc., is the exclusive distributor of OKUNO spring, clip, ring and wire forming equipment in the Americas. Additional equipment offered by the company includes ovens, grinding machines, testing and inspection machines and equipment and shot peening machines.

Maguire Machinery, Inc., offers the following comprehensive equipment lines:

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<td>Flat Ring Making Machines</td>
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<td>Concrete Separator Making Machine</td>
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<td></td>
<td>(Chamfering) Machine</td>
<td>Brassiere Ring Forming Line</td>
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<tr>
<td></td>
<td>Outside Grinding</td>
<td>Inspection Equipment —</td>
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<tr>
<td></td>
<td>(Chamfering) Machine</td>
<td>Flare Inspection Unit</td>
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<td></td>
<td>Compression Spring</td>
<td>Automatic Free Length Inspection Unit</td>
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<td></td>
<td>Seat Grinding Machine</td>
<td>Angular Inspection Unit</td>
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<tr>
<td></td>
<td>Long Spring Seat</td>
<td>Rotating Eddy Current Inspection Machine</td>
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<td></td>
<td>Grinding Machine</td>
<td>Other Types of Testing Equipment</td>
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<td></td>
<td>In-Process Seat</td>
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<tr>
<td></td>
<td>Grinding Machine</td>
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</tr>
</tbody>
</table>

**HEADQUARTERS:**
Maguire Machinery, Inc.
106 Ninth Street North
Brigantine, NJ 08203  USA
Tel: +1 609 266 0200
Fax: +1 609 266 9079
Web Site: www.MaguireMachinery.com
E-Mail: info@MaguireMachinery.com
MISSION:
OMCG mission is continuous development and innovation to anticipate the future needs of the wire forming industry:
GIVING FORM TO YOUR IDEAS!

HISTORY:
Founded by Luigi Maggi in 1963 and celebrating 50 years in the wire, tube and strip forming, OMCG “Office Meccaniche Costruzioni Generali” (Mechanical Manufacturing General Construction) has grown to become a world-leading machine manufacturer for the wire transformation industry with machines installed in more than 35 countries.

With headquarters in Italy and subsidiary in the United States, we can serve our customers with the best quality equipments and services to provide total customer satisfaction.

OMCG has always been recognized for its technological and innovation leadership and today is one of the few companies worldwide able to provide a full range of solutions for wire, strip and tube bending and forming requirements including multislide machines, CNC bending machines, end forming units, customized work cells for specific products.

In the aim to provide full solutions to its customers, OMCG developed a whole set of additional accessories and units for chamfering, coining, die stamping, blanking and so on, with the highest expertise and knowledge from more than 50 years of activity with hundreds of applications worldwide.

PRODUCT LINES: CNC WIRE BENDING MACHINES
OMCG introduced the first feed and form machine completely computer controlled in the industry in 1987. We’re now offering a full range of single-head and double-head CNC benders covering wire diameters range from 1.5 mm to 18 mm. The machines can be configured to work with all types of steel as well as other materials (aluminum, brass, etc.); some of the models may be also set-up for tube or strip.

All families show a variety of features including multiple bending radii, and OMCG user-friendly interface Easy Programming 3, with 3D simulation, collision check, real time programming, full remote service through internet connection, etc..

PRODUCT LINES: MULTI-SLIDE MECHANICAL BENDING & FORMING MACHINES
PGU multislide series: different models available covering a range from 2 to 8 mm with a part length up to 1400 mm. Options like NC feeder, multiple wires feed, and special tooling are available.

TRG forming/blanking series: different models, with wire and strip capability and a variety of blanking and forming options.

PRODUCT LINES: SPECIAL WORK CELLS
Anticipating industry trends, OMCG delivered a number of integrated work cells for specific products including Wiper Arms, Muffler Hangers (wire and tube), Hose Clamps, Swing Stoppers and Gutter Holders.

ACCESSORIES
A full range of accessories is also available: decoilers, wire straighteners, NC feeders, chamfering units, end forming units, threading units, welding units, notching units, coining and blanking units, and more.

TO LEARN MORE:
OMCG Headquarters Italy:
+39 0341 604244
Mr. Daniele Togni
(Director Sales & Marketing)
Mr. Daniele Maggi
(Chief of Operations/Engineering)

NORTH AMERICA OMCG
+1 630 860 1016
Mr. Robert Sears (President)
E-mail: omcg@omcg.com
Visit: www.omcg.com
<table>
<thead>
<tr>
<th>COMPANY HISTORY</th>
<th>SPRING CHAMFERING MACHINES: Machines realized for chamfering compression spring ends.</th>
</tr>
</thead>
<tbody>
<tr>
<td>O.M.D. has been founded in 1949 by Emil Kunz, it started producing machines for various fields of industry and it specialized in the construction of wire working machinery, chamfering and grinding machines for the car industry. Over 60 years now in developing new technologies, most of them patented, has made O.M.D. one of the main machine manufacturer leading the spring industry.</td>
<td></td>
</tr>
<tr>
<td><strong>Chronology:</strong></td>
<td><strong>LOOPING MACHINES:</strong> Machines realized for the automatic production of tension springs.</td>
</tr>
<tr>
<td>1949—The company was established in this year by Eng. Emil Kunz, born in 1901 in Mammern TG (Switzerland), under the name: Officina Meccanica Ing. E. Kunz à Domaso, having its seat in Domaso, province of Como (near the Swiss border). The company specialized in the production of wire working machines, chamfering and grinding machines for the car industry.</td>
<td>• Z Series</td>
</tr>
<tr>
<td>The main exporting countries were: U.S.S.R., South America and Europe, including Scandinavia.</td>
<td><strong>VARIOUS:</strong> Special machines Cold setting plants Hot set plants.</td>
</tr>
<tr>
<td>1967—The firm turned into a joint-stock company with the corporate name: O.M.D. Officina Meccanica Domaso S.p.A. and its partners were: WHG WAFIOS Handelsges. mbH &amp; Co. KG, Reutlingen BRD. Emil Kunz, Hans Kunz.</td>
<td><strong>COILING BENCHES:</strong> Machines realized for the automatic production of left- and right-hand coiled compression or torsion spring, with or without pitch.</td>
</tr>
<tr>
<td>The production finally focused on grinding machines commercialized through Wafios sale organization.</td>
<td><strong>KEY PERSONNEL:</strong> Gabriella Kunz, President</td>
</tr>
<tr>
<td>1982—O.M.D. was awarded the gold medal by the Chamber of Commerce for the good outcome of its efforts concerning the machine export during the three-year period 1979-1981.</td>
<td><strong>ADDRESS:</strong> Officina Meccanica Domaso S.p.A.</td>
</tr>
<tr>
<td>1983—Mr. E. Kunz, the founder of the company, was awarded the Italian decoration given to important figures in industry named “Cavaliere della Repubblica” by the President of the Republic, Mr. Sandro Pertini for personal merits and unyielding activities.</td>
<td>Via Case Sparse, 205</td>
</tr>
<tr>
<td>1984—The holdings of the company Wafios were purchased by Kunz family members who, starting from that moment, were again the only owners.</td>
<td>22013 Domaso (CO), Italy</td>
</tr>
<tr>
<td><strong>PRODUCT RANGE</strong></td>
<td>Ph. +39 0344 97496</td>
</tr>
<tr>
<td><strong>SPRING &amp; GRINDING MACHINES:</strong></td>
<td>Fax +39 0344 96093</td>
</tr>
<tr>
<td>• DOWNFEED GRINDING MACHINES</td>
<td>e-mail: <a href="mailto:info@o-m-d.it">info@o-m-d.it</a></td>
</tr>
<tr>
<td>• WITH WATER COOLING AND HORIZONTAL GRINDING SPINDLE</td>
<td>Website: <a href="http://www.omdspa.it">www.omdspa.it</a></td>
</tr>
<tr>
<td>• SINGLE PASS GRINDING MACHINES</td>
<td></td>
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<tr>
<td><strong>MULTI-FORMER:</strong></td>
<td></td>
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<tr>
<td>Machines realized for the automatic production of torsion and tension springs.</td>
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<tr>
<td>• TM Series</td>
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<tr>
<td><strong>COILING MACHINES:</strong></td>
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<tr>
<td>Machines realized for the automatic production of left- and right-hand coiled compression springs with cylindrical and conic shapes and progressive or variable pitch.</td>
<td></td>
</tr>
<tr>
<td>• CNC Series</td>
<td></td>
</tr>
<tr>
<td><strong>VARIOUS:</strong></td>
<td></td>
</tr>
<tr>
<td>Special machines Cold setting plants Hot set plants.</td>
<td></td>
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<tr>
<td><strong>COILING BENCHES:</strong></td>
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</tr>
</tbody>
</table>
COMPANY PROFILE:
Oriimec Corporation of America was established in 1984 as Mecha Tech Systems Corporation. The nature of business is sales of press room automation equipment, spring machines, leveling casters and pads. The parent company of Oriimec Corporation of America is Orii and Mec Corporation of Japan.

Oriimec Corporation of America was formed by a merger between Orii, the top manufacturer of press room automation equipment, and Mec Corporation, the top producer of spring machines. Oriimec continuously strives to branch into new fields, using its extensive experience and technology as a base.

COMPANY HISTORY:
The Orii Automatic Equipment Manufacturing Company was founded by Masaru Orii in 1962 in Tokyo, Japan after eight years of private development. In 1965, the firm introduced the nation’s first press room robot used to transfer work pieces from a magazine to a press die, operating with a high speed of 200 times per minute. The company continued to grow, producing a wide variety of automation equipment, including robots, coil handling systems, straightener/feeders and leveling equipment.

In 1984, Orii Japan established a branch office in the USA to provide sales and technical support for the growing North American Market. Mecha Tech Systems Corporation was established in 1986 in St. Marys, Ohio, as a wholly-owned subsidiary and its customer base continued to grow. In 1996, Mecha Tech Systems changed its name to Oriii Corporation of America as the Oriii name became more widely known internationally. In 1997, the U.S. office moved to the greater Cincinnati, Ohio area.

In 2000, Oriii entered into a relationship with Automatic Feed Company of Napoleon, Ohio to manufacture the first American-made straightener/feeder combination unit under the name Automatic Oriii, using Oriii design technology and American electronic control systems. Also in 2000, Oriii Corporation of Japan merged with Mec Machinery Company, Ltd. of Japan. As a result, Oriii Corporation of America took over subsidiary operations for the Mec Division in North America and the name was changed to Oriimec Corporation of America.

Matsuoka Engineering Co. Ltd. was founded in Japan in 1972 by Takeji Matsuoka, who started a business to develop, manufacture and sell spring-forming machines and related devices and tools. In 1985, the company changed the name to MEC Machinery Co., Ltd. Today, MEC offers a variety of spring making machinery including CNC multi-axis spring formers, CNC coiling machines for ultra-fine wire, NC spring formers, extension spring machines and torsion spring machines.

In 2013, Oriii Japan and Oriimec Corporation of America established a branch office in Querétaro, Mexico to sell press room automation machines. Today, The Oriimec name has been adopted by the American office, as well as other branch sales and service offices throughout the world. Oriimec Corporation of America operates as a full-service branch office, offering Oriii and Mec lines of machines and parts, and providing technical support and troubleshooting for both lines.

PRODUCTS:
Press Room Automation
Coil Line Systems
• Straightener/Feeders
• Coil Handling Systems
• Large Scale Coil Handling Systems
Robot Line Systems
• Press-to-press transfer robots
• Multi-stage stamping

Spring Machines
• Spring Formers
• Coiling Machines
• Extension Spring Machines

Leveling Casters & Pads
• Caster with anti-vibration function
• Leveling Pads with anti-vibration and level adjustment function

Parts
• Vacuum Components
• WELL AIR® Filters
**MISSION STATEMENT:**
RK Trading Company is dedicated to providing its customers with quality spring making and forming machines and providing a level of service which exceeds customers’ expectations.

**COMPANY HISTORY:**
Since 1996, RK Trading is the exclusive North American representative of the **HERDON** line of spring making and processing machinery. Between them, RK and HERDON have a combined total of over 60 years of spring making experience. The basic operating premise of RK is to not only provide its customers with the machines needed to make most parts easily and accurately but to also provide the know-how needed to satisfy unusual or difficult requirements. In evidence of this commitment to customer satisfaction, over 90% of RK sales are to repeat customers.

**PRODUCT LINES:**
RK Trading offers a broad range of products ranging from simple and inexpensive basic machines to high tech technically sophisticated coilers and formers. A distinguishing characteristic of all of these products is their user-friendly programming, versatile features and rugged construction. The line includes:

**Herdon**

**CSC Series Spring Coilers.** Available in both 2 and 3 axis models, the CSC machines are an affordable alternative to conventional mechanical coilers. Offering unusually high rates of production while maintaining a high degree of accuracy, they are a moderately priced entry into CNC machines. Available in models ranging from .8mm max. wire size to 8mm max. wire size with either single or double point construction. Additional models having capacities up to 12mm will be available in the near future.

**RFM Series Wire Formers.** Built on the same platform as the CSM series, the RFM machines also incorporate Herdon’s true rotating wire system. These 8 axis machines combine the same high speed performance and ease of use as the CSM with the advantage of being able to rotate the material during forming, which greatly reduces set-up time. Available in 5 models running 1.0mm up to 6.0mm tempered wire.

**CSX Series Wire Formers**
The next generation of the popular CSX series. The Hybrid formers are 16-axis “All Servo” formers with standard 6 position 3 dimensional rotary head. The rotary head has 3 servo spinners as well as 3 tool holders. It also features the bottom 3 slides that move side to side. Like the original CSX formers the Hybrid come standard with rotary wire and easy to learn teach functions. The Hybrid is available in 1mm, 2mm, 3.5mm, 5mm and 8.0mm.

**ATM Series Spring Grinders**
These heavy duty production machines can be configured for either crush or downfeed grinding. Heavy and durable, they have proved to be very popular with spring makers throughout the world.

**KEY PERSONNEL:**

- Robert Kupczak, President
- Robert Meyers, Vice President
- Tony Bujak, Technical Service Manager

**SALES OFFICE:**
RK Trading Company
235 Bond Street
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Tel: +1 847 640 9771
Fax: +1 847 640 9793
E-mail: rkinfo@sbcglobal.net
Website: www.rktradingusa.com
always been a synonym for advanced technology and high construction quality thanks to its huge experience in precision mechanics as well as to its continuous search for new technical solutions.

In 1989, by taking over Messrs. SECEM specialized in the production of machines for straightening and cutting metal wire and tube in ferrous and non-ferrous materials (patented straightening system with hyperbolic rolls), the group remarkably increased and differentiated its production range in the specific field of wire working.

In 2000, APR project (i.e. precision straightening and cutting systems for wire Ø 0.1 to 1.0 mm) was taken over from the Swiss company AP-Technologies (Audemars-Piguet). Thanks to this project, SECEM line can now meet the most different straightening needs both for thin and very thin wire (electronic and medical applications) and for wire and tube up to Ø 16 mm.

PRODUCT LINES:
SIMPLEX-RAPID line:

a) CNC coilers FX-series for high-speed production of right-handed springs Ø 0.1 – 3.00 mm
b) CNC coilers MC-series for critical compression springs (Ø 0.1 – 16 mm)
c) CNC coilers MT-series for the production of both springs with straight or shaped shanks RH and LH bends and springs with non-round section
d) CNC coilers for garter springs
e) Automatic joiners for garter springs
f) Motorized de-reelers (auto adaptive system)

SECEM line:

a) Straightening machines for extra thin wires and tubes from 0.1 to 1.0 mm.
b) Straightening machines with hyperbolic rolls and hydraulic cut-off for steel and non-ferrous metal wires from 0.8 to 16 mm.
c) High-speed straightening machines with bushes for wires from 1.4 to 6 mm (speed > 100 m./min.).
d) Straightening machines with hyperbolic rolls and S.C. milling cutting for capillary tubes or with flying shear cut-off for metal tubes from 3 to 8 mm.
e) Straightening machines with hyperbolic rolls and orbital cut-off for metal tubes from 5 to 12 mm.

SALES OFFICE:
Sales office and service center USA, Canada and Mexico:

NIMSCO LCC
5115 TREMONT AVENUE
Davenport, IOWA 52807 – U.S.A.
Jerry Jacques
Jerry Ashdown
TEL No: +1-563-391-0400
FAX No: +1-563-391-0403
E-MAIL: info@nimsco.com
http://www.nimsco.com
COMPANY PROFILE:

The VINSTON product line entered the US market place in 2005. Since then, VINSTON has committed itself to providing a high quality product at competitive prices. Now, VINSTON is able provide superior customer service from the heart of America as well. As part of our commitment to quality service, our new Service Center in Wheeling will now house even more inventory in parts and machines for those time sensitive projects.

MISSION STATEMENT:

VINSTON’s mission is to provide total custom satisfaction by providing a quality product at competitive prices while offering superior customer service. VINSTON is constantly striving to improve its products through valued customer feedback and a constant drive to innovate.

MARKETS SERVED:

Our product lines are commonly used in the automotive, electronic, agriculture, instrument, toy, craft, and hardware industries.

PRODUCTS:

• CMM 200 Series:
   A special CAMLESS design with support up to 16 axes is able to support the production of intricate parts.
   A straightforward programming language with teach functionality facilitates a mild learning curve. This series supports wire size from 0.15 mm to 2.3 mm. (0.006 IN to 0.0906 IN)

• CMM 400 Series:
   A special CAMLESS design equipped with VINSTON’s free arm technology and dual spinner support enables our series of spring forming machines to easily produce a variety of springs and wire forms. This series supports wire size from 1.2 mm to 4.5 mm. (0.0472 IN to 0.1772 IN)

• CMM 600 Series:
   A special CAMLESS design equipped with custom made tooling and hydraulic cutting capabilities that enable our series of spring forming machines to handle high Rockwell scale (HRC) material. This series supports wire size from 2.6 mm to 8.0 mm. (0.102 IN to 0.315 IN)

• 3-D Bender Series:
   A special CAMLESS 3-D design that enables our series of bending machines to easily produce a variety of wire forms. This series supports wire size from 3.0 mm to 12.0 mm (soft wire) (0.118 IN to 0.473 IN)

• Hybrid Bender Series:
   A CAMLESS table hybrid bender (bender and former in one) series that supports wire sizes from 2.0 mm to 8.0 mm (soft wire) (0.0787 IN to 0.315 IN)

• Coiler Series:
   A CAMLESS duo point coiler series that supports wire sizes from 0.15 mm to 9.0 mm (spring wire) (0.006 IN to 0.354 IN)

PERSONNEL:

John Ye, President
Kathy Ye, VP Marketing
Billy Z Lin, Operations Manager

ASIA OFFICE:
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Web Site: www.vinstoncnc.com

EUROPEAN OFFICE:
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Email: ventas@maquinaria-directa.com
Web Site: www.maquinaria-directa.com

KOREA OFFICE:
Email: dh@dhtec.co.kr
Web Site: www.dhtec.co.kr

TURKEY OFFICE:
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Web Site: www.kromtel.com.tr

INDIA OFFICE:
Email: g.ahuja@gmail.com
Gaurav@haardmaster.com
Web Site: www.haardmaster.com
COMPANY PROFILE:
Committed to remain on the forefront of quality and innovation, WAFIOS currently manufactures over 120 models of wire and tube working machinery in several manufacturing sites worldwide. The global headquarters is in Reutlingen Germany, with manufacturing locations and subsidiaries strategically positioned around the world to serve and support all major manufacturing markets.

The WAFIOS reputation and legacy has been built upon an established combination of unique qualities and accomplishments, most notably:
- Largest range of wire and tube processing machinery.
- Continuous technology and development for over 100 years.
- Vertically integrated business model to ensure high quality standards.
- Comprehensive global network of sales, service and support.
- Active customer orientation with customized solutions.
- Partnership networks with strong, global customers and organizations.
- Vocational and continuous professional training and employee development.

COMPANY HISTORY:
The history and roots of WAFIOS date back more than 120 years. While WAFIOS is commonly known in the wire and tube industry, synonymous with precision German-engineered machinery, the name itself has an interesting origin.

Ernst Wagner established a mechanical workshop in Pfüllingen, Germany on April 1, 1893. As early as 1905, Wagner’s wire fencing machines were awarded prizes in exhibitions held in London and Brussels. The company grew and moved to Reutlingen in 1909 when Hans Ficker joined the company as an active partner, and the firm’s name was changed to “Wagner & Ficker Maschinenfabrik”. In Stuttgart, just a few kilometers away, Otto Schmid had likewise developed a fencing machine and both companies launched their products, advertising in the same newspaper. Negotiations took place in 1914 and the result was a merger of, Wagner & Ficker and O. Schmid. By 1926, drawing from the first initials of the founders’ names, the new company name, WAFIOS, was in use.

By 1932, the company’s products had grown to include spring coiling machines, nail presses, wire bending, upholstery and mattress spring machines and hexagonal wire mesh looms. Today WAFIOS is the leading global supplier of a full range of precision machines for wire, tube and formed parts.

PRODUCT RANGE:
The WAFIOS range of machine types include spring coiling and forming, wire bending and forming, tube bending and forming, wire straightening, cutting and end-working as well as precision machines used to produce spiral hose, nails, fasteners, chains, chain link fence and other types of fencing. WAFIOS machines are operating and supported around the world, producing a remarkable range of wire and tube applications, from tiny tungsten lamp filaments and surgical coils to automotive suspension springs, automotive brake lines, heat exchanger coils, roof screws and high tensile chains—to name a few.

Machine Program includes:
- Compression springs: FUL, FSE and F Series EcoCoilers
- Torsion springs: FMU, FMK, FTU
- Tension springs: ZO, ZE
- Spring grinding: G Series
- Ring coiling: SNA
- Spiral springs: SPM
- Wire bending (single head): B, BM, BMU
- Wire bending (multi-head): BMS, BT
- Tube bending: BMZ, BL, RBV, BMR
- Wire straightening and cutting: R, RB
- Nail machines: N Series, Nailmaster
- Chain bending: KEB, KER, KBA
- Chain welding: KEH, KSH
- Chain bending and welding, calibration: KBS, KPH
- Wire fencing: DF, JF, KGA
- Cold heading and forming: WAFIOS Umformtechnik
- Payoffs: Full range

KEY PERSONNEL:
David Purcell
President

WORLD HEADQUARTERS:
WAFIOS AG
Silberburgstrasse 5
D-72764 Reutlingen
Germany
Tel: +49 7121 146 0
Fax: +49 7121 49 12 09
Website: www.wafios.com
**OUR MISSION:**
At Anchor Abrasives we make every effort to ensure products are ordered, manufactured and delivered correctly. Hold ready programs guarantee availability of our products for JIT delivery. We have the fastest regular delivery time in the industry. We will help you with any phase of your grinding operation. Meeting challenges keeps us a leader in the industry.

**OUR HISTORY:**
Anchor Abrasives, a privately held company, was formed in 1971. Founder, Frank Shoemaker is credited for naming the company after the system for anchoring nut inserts into the non-usable portion of the disc. Today Jack and Jeff Shoemaker, second and third generations carry on the family tradition at Anchor Abrasives. We are the leaders in state-of-the-art formulation and manufacture of double discs, cylinders, centerless and roll wheels. In 1998, we moved into a new manufacturing facility incorporating the latest technology to produce high-quality custom abrasive products. Sold to many of the top manufacturing names in the world, our products grind a variety of bearings, springs, ceramics, cutlery, hand tools, bars, tubing and automotive parts including: connecting rods, valve plates, piston rings and pump parts.

**OUR PRODUCTS:**
- **Discs & Cylinders.** Anchor specializes in designing and manufacturing nut-inserted discs and cylinders from 8”-72” diameter. These disc and cylinder wheels are custom formulated for each job to meet/exceed our customer’s disc grinding requirements.
- **Centerless Wheels.** Anchor centerless grinding wheels are custom formulated for demanding thru-feed and plunge grinding applications. They can be made from 12”–30” diameter in widths up to 20”.
- **Roll Grinding Wheels.** Anchor roll wheels are custom formulated and can be made in diameters from 20” – 42” up to 6” wide.
- **CBN & Diamond-Plated Discs.** CBN plated discs work extremely well on small diameter springs and produce unmatched performance on tight tolerance work.

**CUSTOMER SERVICE:**
Anchor representatives are factory trained specialists who are knowledgeable in all aspects of grinding operations. They are available to assist you with in-house training and to answer questions pertaining to your applications.

**QUALITY:**
Anchor Abrasives is an ISO-9001-certified company Anchor Abrasive’s Quality Management System has received a Certificate of Conformance from ABS Quality Evaluations.

**TO LEARN MORE:**
Visit www.anchorabrasives.com

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www.bekaert.com

**COMPANY PROFILE**
Bekaert is a world market and technology leader in steel wire transformation and coating technologies. We pursue to be the preferred supplier for our steel wire products and solutions by continuously delivering superior value to our customers worldwide. Bekaert (Euronext Brussels: BEKB) is a global company with almost 30 000 employees worldwide, headquarters in Belgium and € 4.4 billion in annual revenue.

**WHAT WE DO**
Transforming steel wire and applying advanced coating know-how. That is what we are good at. Improving both the bulk and surface properties of steel wire products since 135 years. That is what we do better, every day. Offering innovative solutions that add value to our customers and help them grow their business. That is what makes us better together. We purchase approximately 3 million tons of wire rod per year as our basic material. Depending on our customers’ needs, we draw wire from it in different diameters and strengths, even as thin as ultrafine fibers of one micron. We group the wires into cords, ropes and strands, weave or knit them into fabric, or process them into an end product. Depending on the application, we apply coatings which reduce friction, improve corrosion resistance, or enhance adhesion with other materials.

You can find Bekaert products in cars and trucks, in elevators and mines, in tunnels and bridges, at home and in the office, in machines and offshore. If it drives, ascends, hoists, filters, reinforces or fastens, there is a good chance Bekaert is inside.

**WHERE ARE WE?**
We are present wherever you are. Backed by Bekaert’s global presence and technological support, customers can benefit from our commitment to local service. You can rely on a worldwide manufacturing footprint and sales network that is responsive to specific market needs. This way, you get the most from our global reach: our expertise, our flexibility, our proximity.

**HOW WE WORK**
Better together sums up the unique cooperation between Bekaert and its business partners.

We create value for our customers by co-creating and delivering a quality portfolio of steel wire solutions and by offering customized services in all continents. We believe in lasting relationships with our customers, suppliers and other stakeholders and are committed to delivering long-term value to all of them.
As specialists in multifunctional micro-layer corrosion protection systems, Dörken-MKS develops and manufactures extremely effective surface protection coatings for the automotive industry as well as others. The company works with a world-class and worldwide licensee network on all matters concerning applications. Whether it’s a new part, a specification, application technology, parameter adaptation or equipment design, Dörken provides first-class solutions to its customer problems.

Our certified quality and environmental management system ensures consistent development and production according to current standards.

The company’s micro layer corrosion protection systems, trademarked under the name DELTA-MKS®, offer a complete line of engineered coatings developed to provide the fastener industry with the optimum performance in corrosion protection, consistent torque/tension values and resistance to chemical attack.

**PRODUCT LINES:**

**DELTA-PROTEKT® Series**—Inorganic basecoat and topcoat systems, including the KL 100 Series—inorganic basecoat suitable for steel, steel with a suitable passivation, iron and steel castings. The VH 300 Series—specially designed as a topcoat for zinc-flake systems. The VH 350 Series—topcoat for electropolated zinc and zinc alloys with a suitable passivation, stainless steel, aluminum and its alloys with a passivation and magnesium with a passivation.

**DELTA®-TONE Series**—Inorganic zinc-flake basecoat system suitable for steel, steel with a suitable passivation, iron and steel castings.

**DELTA-COLL® Series**—Inorganic topcoat system for electropolated zinc and zinc alloys with suitable passivation, stainless steel, aluminum and its alloys with a passivation and magnesium with a passivation.

**DELTA®-SEAL Series**—Organic topcoat systems engineered for compatibility with zinc-flake systems, electropolating systems, mechanical zinc, steel with a suitable passivation, aluminum and its alloys with a passivation, stainless steel and zinc die cast.

Dörken coatings are accepted by OEMs worldwide and all products are REACH and RoHs compliant.

Dörken products may be applied utilizing dip-spin, dip drain or spray techniques depending on part geometry. Product development and manufacturing are certified in accordance with DIN EN ISO 9001 standards. Production is certified under ISO14001:2004.

**KEY PERSONNEL:**

President: Frederick A. Schultz
Technical Manager USA: Albert J. Gelles
Sales Manager: Stuart Smith
Sales Representative: Walter Harmon

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**EUROBEND GmbH**

Allersberger Str. 185, Geb. G-3, 90461 Nürnberg, Germany
Tel. +49 911 9498980
WEB SITE: http://www.eurobend.com
e-mail: info@eurobend.com

EUROBEND GmbH is a leading European manufacturer of automatic equipment for the wire, construction and mattress industry.

**NEW PRODUCTION FACILITY IN FRANKFURT, GERMANY:**

In addition to our newest German offices, a new production facility and demo center in Frankfurt symbolize our rapid expansion which comes as a result to the increased demand of our equipment that are characterized by the quality, efficiency and the latest technology adopted.

**NEW SINGLE LINE STRAIGHTENING & CUTTING MACHINE:**

EUROBEND is the leading manufacturer Straightening & Cutting machines, using the Rotor straightening principle, which was invented by our engineers more than twenty years ago. Today the Rotor Straightening principle became an industry-standard and used by almost all straightening machines manufacturers.

The latest addition to our straightening & cutting family of machines is the MELC 50, the biggest and most powerful Rotor straightening & cutting machine. Is the only machine worldwide that can handle up to 50mm coiled material of any grade, including high tensile, stainless steel, etc.

**NEW MULTI-LINE STRAIGHTENING & CUTTING MACHINE:**

The MELC MULTILINE 25, is the only fully automatic multi-line Rotor Straightening & Cutting machine that can process up to 25mm coiled material without human involvement, due to the automatic coil feeding operation.

**NEW WELDING LINES:**

**PL X-Y & PLC AMM Series**

The newest, breakthrough design of mesh welding lines for the production of standard and customized mesh designs and sizes, allowing the welding of uneven line and cross wire lengths and different line and cross wire diameters within the same panel, and mesh used in various precast wall panels with openings (for doors, & windows).

**WITH OUR UNIQUE PATENTED WIRE FEEDING SYSTEM, WHICH ENSURES ELIMINATION OF TIME-CONSUMING DIAMETER AND COIL CHANGE-OVERS**

Single or double Y-axis programmable, servo-motor driven welding head configuration with 4 or 8 welding points (PL X-Y Series) or Multi-head configuration with up to 81 fixed welding heads (PLC AMM Series).
COMPANY PROFILE:
Golden Spot Industry Inc. base in Taiwan manufacturer supplier. Through our strict quality control in each stage of the production process from design to finalize machine lines are accomplished under one roof. It is one of a leading brand of spot welding machines in Asia Pacific.

Our applications for customers: concrete reinforcement mesh, fencing mesh, wire shelving, industrial mesh, furniture and various metal products for automobile, electrical, furniture, house hold, hardware... etc.

In recent years, most customers looking for 3D fencing mesh machine, security mesh machine and various small mesh machine. Therefore, our GSA-150L series and SX-1500RT series of products is very popular.

PRODUCTS:
GSA-150L—auto wire mesh welding machine with auto wire load carriage with wire hopper, for loading pre-cut wires. System automatically feeds and collects wires, and makes perfect pull-out wire quantity/length as your request.

SX-1500RT is a semi-auto XY Axis welding machine. The operation of the machine is moving X and Y axis, our standard is welding head moving X-axis, worktable moving Y-axis. This type could store 100 product recipes, 120 welding points each, so it is suitable for production of diverse products customer.

CUSTOM PRODUCTS:
Golden Spot Industry Inc. not only manufactures standard welding machines, but also customizes welding machines. For more on Golden Spot welding machines, visit our website or contact us. We are always at your service.

GOLDEN SPOT INDUSTRY INC.
Add: No.13, Ln.498, Side Rd., Wufeng Dist, Taichung City, Taiwan
Tel: +886-4-23334589 • Website: www.goldspot.com.tw

What We Do:
IP AUTOMATION INC. manufactures state-of-the-art wire forming machines for high volume production in wire gauges from 1mm to 16mm.

Fully automated assembly cells can be integrated with all benders to process wire components with secondary operations into complete fully inspected sub-assemblies ready to ship.

Who We Are:
Our management team has over 55 years combined experience in CNC wire bending machine development and wire fabrication operations management.

We have earned the reputation as the industry leader for solving complex wire forming challenges and automation as evidenced by a high level of repeat business.

Available Machine Features:
- Two-tier bending stations for 3D forming two of the same part concurrently. Single tier, twin head benders are also available.
- Robotic part transfer system
- Up to 4 quick-change bending head tool clusters with multiple forming dies.
- 14 servos standard; up to 28 available
- 6 robot axes
- Optional rotary/2 plane straightener combo or pre-cut wire hopper feed.
- Simple touch screen Windows® based LRA programming.
- Vision Inspection standard.
- 2.2M standard wire length; other lengths available.
- Energy efficient active servo power supplies. External resistors not required.

Automation Options:
- Energy efficient Direct Resistance Stress Relieving of hard wire forms.
- Fluidized bed coating
- Secondary operations such as chanfering, threading, milling, drilling, flatten & pierce, swaging, coining, special off-line bending.
- MIG & resistance welding.
- Part assembly: including installation of coil fed clips.
- Upgrading other existing wire forming and spring machines with vision inspection.

Visit our website to see more of our capabilities or contact us for video demonstrations at info@ipautomationinc.com
**Larson Systems Inc.**
13847 Aberdeen Street NE
Ham Lake, MN 55304-6789 USA
Tel: 1-877-780-2131 • 1-763-780-2131
Fax: 1-763-780-2182
Website: www.larsonsystems.com
E-Mail: info@larsonsystems.com

**HISTORY:**
Larson Systems Inc. was founded in 1979, and has become the leading designer and manufacturer of spring-testing equipment in North America. Larson Systems designs, manufactures and distributes a complete line of force/length and torque testing equipment for spring manufacturers. Larson Systems’ spring testers are the most widely used testers in American spring manufacturing plants today, and the company sells them worldwide.

**PRODUCTS:**
Larson Systems’ product line includes manually operated, motorized and automated spring testers, calibration equipment, force gages, pre setters and sorters, spring gages, torque wrench calibrators and torsion spring testers. The company holds two patents (U.S. Patent Numbers 6,094,980 & 6,289,744 on the Torsion Spring Tester (TST)).

**EQUIPMENT MODELS:**
- Manual Force/Length Testers: ECT, CDHT, DHT, FDHT, SDHT, Solid Height Checker
- Motorized Force/Length Testers: FLASH 11, 24, 25, 36, 48; STAR 11, 25, RoboSTAR
- Torsion Spring Testers: TST 200, 1300; ATST
- Spring Gages: Tiger, Tiger CNC

**KEY PERSONNEL:**
- David Larson, President
- Kathy Thunstrom, Assistant to President / Inside Sales

**CONTACT INFORMATION:**
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Website: www.larsonsystems.com
E-Mail: info@larsonsystems.com

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**Ultimate Automation Ltd.**
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sales@ultimat.com • www.ultimat.com

**COMPANY HISTORY:**
Ultimation has been manufacturing wire forming and welding machines for over 20 years and has designed and manufactured a wide range of ground breaking models and is well respected by its customers worldwide. With Ultimation’s directors having over 60 years of experience in the design and manufacture of various machines for the wire industry.

**PRODUCT LINES:**
Through the use of state of the art 3D modeling software, the design engineers at Ultimation are capable of creating new machine models from initial concept to completed designs in a very short amount of time. Utilizing this technology together with the latest in AC drives, machine controls and programming software, enables the company to be flexible in creating a diverse range of machines engineered to suit specific customer requirements.

Their ULTIMAT UMW series of 2D wire forming and welding machines, feature a robust, modern, modular design, and user friendly windows based software. All ULTIMAT models use a Closed Die Forming and Cutting System, which produces high-quality bends with square, burr-free cuts.

Also available is the UTW Automatic Ring Forming & Welding Machines; UCW Cross Welding Machines for Oven/Refrigerator racks and HVAC filter frames; USW Sign Wire Frame Welding Machines.

Ultimation’s product line is not limited to standard wire forming machines, as they also design and manufacture special purpose models to suit specific customer requirements.

**WIRE FORMING and WELDING MACHINES:**
Versatile machines with proven reliability, meeting and exceeding our customer’s expectations.

Affordable, progressive, and innovative machine designs to make you be more efficient, more competitive, and more profitable!

**SALES OFFICE:**
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www.pennbenders.com

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Wire Forming Technology International/Fall 2016
**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 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.

**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

**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:**
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info@witels-albert-de • www.witels-albert.de

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**Introducing DELTA**

**Delta DF-1280**
- 12 Axes (up to 13 axes) CNC Forming Machine
- Ø.118”~.315” (3.0~8.0mm)

**Delta D-808**
- 8 Axes High Speed Coiler
- Ø.004”~.039” (0.1~1.0mm)

At Gibraltar we search the world to offer you the widest variety of machinery in the industry. Our new Delta line of economical CNC coilers and forming machines has the features you want and need at affordable prices. Check out our wide range of machinery by visiting our website at www.gibraltar8.com or give us a call at 847-383-5442

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**At Gibraltar**

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