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<td>Gibraltar Corporation/SIMCO</td>
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<td>Larson Systems, Inc.</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
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)

- **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 Versatile 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.

SERVICES:

- **On-Site & Off-Site Training**
- **Consulting**
- **Equipment Servicing**
- **Mechanical Torin Segment-Type Training**

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Automated Industrial Machinery, Inc.
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E-Mail: sales@AimMachines.com
Web Site: www.aimmachines.com • www.aimeuropesa.com

COMPANY PROFILE:
Founded in 1992 by Constantine Grapasas, AIM, Inc., has grown to become the premier CNC wire bending machine supplier serving customers worldwide. AIM manufactures two-dimensional and three-dimensional wire bending machinery. 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. 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 the 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.
• AFR (AccuForm Rebar): a very accurate, ALL Electric CNC Rebar bending line with capacities up to 22mm (#7) or two 16mm (#5) rebar. Standard barcode and tags can be used with SmartEditor® software and using our graphics machine animation the users can watch the machine in action before they even start production. Sealed bearings, servomotors with high power precision gearboxes and robust construction guarantee long life and smooth operation.
• 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 market capable of bending wire, tube or rebar. Capacities available currently for up 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 2D/3D line is a very competitive Two or three-dimensional machines, starting with 2 mm (0.08") diameter and going to 16 mm (0.63") diameter. The line is the world’s fastest wire bending machine, not just in specs, but in real world productivity.
• 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 Grapasas
President & CEO
Ron Vik
C.O.O.
Gus Goudis
Sales Manager

ASSOCIATIONS:
AWS-American Welding Society
IWMA-International Wire Manufacturing Suppliers 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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F: +30 (210) 005 7768
E-mail: sales@AIMeuropesa.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 operations 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.
COMPANY PROFILE:
Trimco Export House supplies several models of multi forming machines for making a wide variety of parts from wire and strip. Offices are located in the UK and USA.

PRODUCT LINE:
Five basic models are offered for wires with maximum diameters ranging from 1.5 to 10 mm, and strips with maximum widths of 30 to 100 mm and maximum thicknesses of 0.8 to 3 mm. Key features and attributes include the following:
- Strong and versatile machines
- High speed operation
- Large press beds
- High accuracy feeding
- Powerful slides
- Fast and easy setup
- Multiple sensors
- Solid construction

The DS-15-220 model and sample parts are shown below.

CONTACT:
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trimcoexport@btinternet.com
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Schoolcraft, MI 49087-0694 USA
Phone: 1-877-727-FORM (toll free), 1-269-679-3557 (international)
Fax: 1-269-679-3567
Email: info@formingsystemsinc.com

PURPOSE:
Forming Systems, Inc. was established to provide technical assistance, sales, service, and training for world leading producers of machinery and accessory equipment for wire forming and spring making industries.

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
• Wire Forming
• 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 axes 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–12mm.

• 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. With the push of a button, operators can select from up to 30 pre-programmed bends. Up to 9 programmed bends can be made in sequence. Coiling, RH bending, LH bending, acceleration, unwind, and adjustable home position are all now possible with no stops to set. It’s as simple as dialing in the bend angle.

• OMAS, a leading designer and builder of state of the art 3-D wire forming machines for complex wire forms, high speed multi-form machines for wire and strip material, and ring coiling machines for automatic production of wire rings, flat rings, and welded rings. Machines are capable of TIG as well as Butt Welding.

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

• Spring Analysis Systems, Inc. (SAS) designers and developers of technologically advanced spring testing & analysis machines, automated spring testing systems, and digital imaging systems used for part measurement, pitch tracing, E1 & E2 measurement, perpendicularity, and concentricity measurement. Systems are available for compression, extension, deflection, and torsion testing. Vision and testing equipment includes software for all data acquisition including SPC, R&R, CPK, and calibration.

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

Gibraltar Corporation is the exclusive US agent for Nicemach Co. Ltd of Daegu, Korea. Nice specializes in the production of cost-effective CNC, Wire and Pipe Bending equipment. Nice has produced over 500 CNC wire benders since 2004 and offers the following equipment:

EQUIPMENT MODELS:

2D Wire Bender

2D-R70 Wire Range: Soft Wire 0.078"-0.276" (2.00-7.00 mm), Hard Wire 0.078"-0.156" (2.00-4.00 mm)

Traditional 3D 3 axes Wire Benders

3D-R70 Wire Range: Soft Wire 0.098"-0.276" (2.50-7.00 mm), Hard Wire 0.078"-0.178" (2.00-4.50 mm)
3D-R100 Wire Range: Soft Wire 0.138"-0.394" (3.50-10.0 mm), Hard Wire 0.118"-236"

9 Axes Benders (from Coil or pre-straightened wire)

Coil

3D-OR70 C Wire Range: Soft Wire 0.098"-0.276" (2.50-7.00 mm), Hard Wire 0.078"-0.178" (2.00-4.50 mm), Max wire feed: 55"/1400 mm
3D-OR100C Wire Range: Soft Wire 0.098"-0.394" (2.50-10.0 mm), Hard Wire 0.078"-0.236" (2.00-6.00 mm)
Pre-cut wire

3D-OR70 S Wire Range: Soft Wire 0.098"-0.276" (2.50-7.00 mm), Hard Wire 0.078"-0.178" (2.00-4.50 mm), Max wire feed: 43"/1100 mm
3D-OR100S Wire Range: Soft Wire 0.098"-0.394" (2.50-10.0 mm), Hard Wire 0.078"-0.236" (2.00-7.00 mm)

Double Headed Wire Benders

Coil

3D-DR120 C Wire Range: Soft Wire 0.098"-0.276" (2.50-7.00 mm), Hard Wire 0.078"-0.178" (2.00-4.50 mm), Options for 71" (1800 mm) wire feed or 94" (2400 mm) wire feed.

Pre-cut Wire

3D-DR120 S Wire Range: Soft Wire 0.098"-0.276" (2.50-7.00 mm), Hard Wire 0.078"-0.178" (2.00-4.50 mm), Options for 71" (1800 mm) wire feed or 94" (2400 mm) wire feed.

Nicemach also offers cold heading, chamfering, welding and special purpose options. Contact Michael Shapiro for more information.

KEY PERSONNEL:

Michael Shapiro, President

NORTH AMERICAN SALES OFFICE:

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Fax: +1 847 913 4528
Website: www.gibraltar8.com
E-mail: mshapiro@gibraltar8.com
**Gibraltar Corporation**
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Buffalo Grove, IL 60089 USA  
Tel: 1 847 769 2099  
Fax: 1 847 913 4528  
Web Site: www.gibraltar8.com  
E-Mail: mshapiro@gibraltar8.com

### COMPANY PROFILE:
Gibraltar Corporation is the North American agent for Simco Spring Machinery Co., Taipei, Taiwan & Morita & Company, Nagoya, Japan.

Gibraltar Corporation offers a full line of standard machines to the spring making and wire formed 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:

<table>
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<tr>
<th>Model</th>
<th>Diameter Range</th>
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<tr>
<td>CNC-620</td>
<td>0.4-2.3 mm (0.016&quot;-0.091&quot;)</td>
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<tr>
<td>CNC-635</td>
<td>2.0-4.0 mm (0.079&quot;-0.157&quot;)</td>
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<tr>
<td>CNC-650</td>
<td>3.0-5.0 mm (0.118&quot;-0.197&quot;)</td>
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**W-1065**
High speed 8 axis 3.0-7.0 mm (0.118"-0.280")

Features & Options:
- Easy-to-Use Software
- Touch Screen Display
- Point & Click Dimension Control
- 3D Preview
- Program with Chart of OD, Pitch, Feed
- Simple Use Torsion Function
- Touch-Check Probe
- High Quality Spring Tooling–Many Types of Machinery

### KEY PERSONNEL:
Michael Shapiro  
President

### NORTH AMERICAN SALES OFFICE:
Gibraltar Corporation  
PO Box 5323  
Buffalo Grove, IL 60089 USA  
Tel: +1 847 769 2099  
Fax: +1 847 913 4528  
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>Zig-Zag Spring Former</td>
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<td>CNC Coil Formers</td>
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<td>Multi Coil Formers</td>
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<td>Coil Forming Machines</td>
<td>Spiral Forming Machine</td>
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<td>Ring Making Machines</td>
<td>Chain Making Machine</td>
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<td>Flat Ring Making Machines</td>
<td>Saddle Spring Making Machine</td>
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<td>Torsion Forming Machines</td>
<td>Concrete Separator Making Machine</td>
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<td>Forming Machines</td>
<td>Shutter Spring Making Machine</td>
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<tr>
<td>Oval Coil Formers</td>
<td>Large-Diameter Spring Making Machine</td>
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<tr>
<td>Motor Spring Making Machines</td>
<td>Reinforcing Spiral Wire Making Machine</td>
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**Testing Machines —**

- Compression Setting
- Load Testing Machine
- Fatigue And Load Tester
- Universal Tester

**Shot Peening Machines**

**Options —**

- Automatic Wire Stand
- Packaging Equipment
- Wire Straightener

**Fully Automated Systems —**

- CS Master
- Valve Spring Manufacturing Line
- Retractor Spring Forming Line
- Torsion Coil Forming Line
- Brassiere Ring Forming Line

**Tempering Ovens —**

- Batch Tempering Oven
- Screw Feed Tempering Oven
- Creep Tempering Oven

**Grinding Machines —**

- Inside Grinding (Chamfering) Machine
- Outside Grinding (Chamfering) Machine
- Compression Spring Seat Grinding Machine
- Long Spring Seat Grinding Machine
- In-Process Seat Grinding Machine

**Inspecton Equipment —**

- Flare Inspection Unit
- Automatic Free Length Inspection Unit
- Angular Inspection Unit
- Rotating Eddy Current Inspection Machine
- Other Types of Testing Equipment

**Headquarters:**

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E-Mail: info@MaguireMachinery.com
LEADING BRAND FOR GLOBAL SOLUTIONS IN COLD FORMING OF WIRE/Tube/FLAT STOCK:

Numalliance prizes itself in delivering value-added stand alone or integrated solution for the transformation of Wire, tube and flat-stock industries. ISO 9001 Certified the company has integrated knowledge beyond bending: press operation, notching, coining, chamfering, welding, threading, stress relief or 3D control.

Numalliance is the sole brand in the industry that has been able to reach out to all sectors on all continents. Automotive, Aeronautics, Point of Purchase, Furniture, Lawn and Garden or home appliances, as well as Medical or Jewelry, all industry rely on the powerful capabilities of the company.

The Group is constituted on 3 “European Pillars” in the wire and tube cold forming expert companies that stem their roots some 140 years ago. Years of knowledge in innovation brought Numalliance to an unrivalled level of excellence.

NUMALLIANCE NORTH AMERICA – ADVANCED TECHNOLOGY CENTER:

Numalliance North America was founded 6 years ago through the buyout of the buy-out of its leading representation on the continent. Located in the vicinity of Chicago, Numalliance North America Advanced Technology Center is a fully staffed Customer center, with sales, service, training, parts, and show room that display the latest in bending and beyond bending. Numalliance provides assistance even to the first machine sold 20 years ago, which is one of several hundred in North America.

SOLUTIONS, SOLUTIONS, SOLUTIONS:

Numalliance is never short of innovation and shares them through tight partnership with its valuable customers. Standard Feed and Form. Standard solutions range from three to seven servos and wire capabilities up to 16.0 mm - 5/8”. The brand has been recognize for its unconventional way of bending material: combining and interpolating those servos Numalliance offers three different bending capabilities: nose, pin or mandrel and hybrid—combination of nose and mandrel.

Cut-to-length, Camless Multi-Slide. If mechanical four-slides are becoming part of the past. Numalliance also ventures in that arena with hard-toolied, CNC driven and Camless multi-slide. Long change-over, spillage and breakage are part of the past with this new technology. This know-how built from its experience of mechanical machinery, helped Numalliance create a range of solution for cut-to-length.

Custom Solutions. Whether you are looking for a special line of equipment for a dedicated part or a evolutive and flexible work cell, Numalliance developed a range of equipment that can integrate its own or third party secondaries.

Numalliance’s iconic Double Bend. Numacell a flexible work cell.

KEY CONTACTS:

Joel Etienne
Chief Executive Officer (CEO)
Ludovic Vallet
Chief Operations Officer (COO)
David Galas
Business Development

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E-Mail: infos@numamerica.com
Web Site: www.numalliance.com

A whole page would not be enough to cover capabilities in bending and beyond bending.
The Bobbio Excel line introduces a welcome addition to the RK family. These machines are an affordable alternative to conventional mechanical coilers. Oferring unusually high rates of production while maintaining a high degree of accuracy, they are a moderately priced entry into CNC machines. Available in six different models up to 6mm max. wire size to 8mm max. wire size with either single or double point construction. Additional models having a capacities up to 12mm will be available in the near future.

**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 a capacities up to 12mm will be available in the near future.

**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.

**CSM Series Wire Formers** This line of wire/spring formers has enjoyed world wide acceptance for over 15 years. Recently increased to 8 axis capability (with no increase in cost), it is available with many production enhancing options. These heavy duty production machines have cam driven slides and are available in six different models up to 6mm max. wire size (tempered material).

**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.

**Herdon**

**FM Series** A basic verti-slide machine designed to handle both strip and wire. With cam drive forming slides and an integrated 5 ton press head, the machine is well constructed, easy to use, modestly priced.

**ATM Series Spring Grinders** These machines are available in three models and 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:**

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Fax: +1 847 640 9793
E-mail: rkinfo@sbcglobal.net
Website: www.rktradingusa.com

**Herdon**

**CSX Series Wire Formers** The CSX is a 12 axis (16 axis optional), all servo-driven machine. Featuring Herdon’s true rotating wire system, rotating quill, it is capable of handling multiple servo spinners (both single and two axis). Quick set-ups are the norm yet the machines have extremely high rates of production. One of the fastest and most versatile all servo machines in the market, the CSX is available in sizes ranging from 0.4mm to 8.0mm max. wire capacity.

**Herdon**

**ATM Series Spring Grinders** These machines are available in three models and 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
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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-Tech-nologies (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 MC-series for critical compression springs (Ø 0.1 – 16 mm).

b) 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.

c) CNC coilers for garter springs.

d) Automatic joiners for garter springs.

e) Motorized de-reelers. (auto adaptative system): 50-3000 Kg

f) Control, sorting and statistical processing systems.

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:

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P.O. BOX 2709
5115-B TREMONT AVENUE
Davenport, IOWA 52807
U.S.A.

(Jerry Jacques – Jerry Ashdown)

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E-MAIL : info@nimsco.com
http://www.nimsco.com
COMPANY PROFILE:
Committed to remain on the forefront of quality and innovation, WAFIOS currently manufactures over 200 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 almost 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, roofing 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 Uniformtechnik
- Payoffs: Full range

**KEY PERSONNEL:**

**David Purcell**
President

**Daniel Tetreault**
Vice President

**WORLD HEADQUARTERS:**

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Silberburgstrasse 5
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Fax: +49 7121 49 12 09
Website: www.wafios.com
Technology for the wire, wire products & cable industries...

For manufacturers, processors, distributors and users of all types of wire and cable: electrical, communication and mechanical. Subscribe @ www.wiretech.com

For manufacturers and users of springs, wire formed products, wire mesh and rebar products. Subscribe @ www.wireformingtech.com

For manufacturers, distributors and users of all types of fasteners and precision formed parts. Subscribe @ www.fastenerETech.com
Alloy Wire International
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Warwick, RI 02886 USA
Tel: 1 866 482 5569 • 1 401 737 8380
Fax: 1 401 384 6757
Web Site: www.alloywire.com • E-Mail: sales@alloywire.com

Alloy Wire International (AWI) was founded in 1946 and specializes in the production of WIRE in NICKEL and COBALT ALLOYS. Alloy Wire International manufactures ROUND, SQUARE and RECTANGULAR wire as well as more complex PRECISION SHAPED PROFILES. Order quantities from as low as a few meters/feet with typical lead times of two weeks.

AWI produces these super alloys for the manufacture of springs, specialist seals, fasteners and other demanding engineering applications for industries where an aggressive environment is encountered.

CAPABILITIES:

Wire Diameters
From 0.827" to 0.001"

Sections
Width max 0.315"
Thickness min 0.0013"
Width-to-thickness ratio of up to 30:1

Cut lengths
Diameters from 0.453" to 0.197"
Lengths from 0.125" upwards

Quantities from 1 pound

Quality Assurance
AWI holds ISO9001:2000, Aerospace Approvals and is DFARS Compliant.

KEY PERSONNEL:
Angus Hogarth,
Sales Director

Ed Sierman
Sales Manager

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1 401 737 8380
Fax: 1 401 384 6757
Web Site: www.alloywire.com
E-Mail: sales@alloywire.com

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Tinley Park, Illinois 60477 USA
Toll Free: (877) 596-3100 • Phone: (708) 444-4300 • Fax: (708) 444-1300
Direct E-mail: info@anchorabrasives.com • www.anchorabrasives.com

OUR MISSION:
At Anchor Abrasives we make every effort to insure products are ordered, manufactured and delivered correctly. Hold ready programs guarantee availability of our products for JIT delivery or on-site storage. 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 nonusable portion of the disc. Our staff has been analyzing disc-grinding operations and formulating discs since the early 1950s. Today, we are 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 to 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 are available in types 1, 5 and 7. Roll wheels 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-9001:2008-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
COMPANY PROFILE: EUROBEND GmbH is a leading European manufacturer of automatic equipment for the wire and construction and mattress industry.

Our reputation is based on customer satisfaction and our commitment to reliable and technically advanced machinery is reflected in the quality of every piece of equipment that leaves our production lines.

High-quality of components and final product, competitive prices, along with significant after-sales service are major assets. This success is due to the combination of quality and flexibility the machines ensure, compared to those existing in its market segment.

Eurobend’s production is oriented to exports and has already secured a presence in 40 countries. The company participates in all main exhibitions in all continents every year.

EUROBEND machines cover a wide range of applications in the following industries:

WIRE INDUSTRY: G-STAR series of two and three-axis wire bending machines for all types of wire forming (industrial, decorative, etc.) of diameter 2 to 20 mm.

G-MULTI high-production series of wire bending machines with multi-line processing capability (two up to six lines) for all types of wire forming (industrial, decorative, etc.) of diameter 2 to 12 mm.

MELC series of straightening and cutting machines for diameters 2 to 36 mm. These machines employ the rotor principle (unique and patented worldwide) and can therefore achieve production speeds of up to 500 m/min in multi-rotor configuration combined with excellent straightening results and mechanical simplicity.

PL-S series of mesh and grid welding machines with a variety of welding capabilities and speeds up to 240 strokes per minute.

PL-FLEX series of wire, tube and metal sheet components ideal for medium to high volume production, one-off jobs or even prototypes, due to minimized changeover times with fully automatic operation.

CONSTRUCTION INDUSTRY: G-STAR series of two and three-dimensional bending machines for all stirrup shapes used in building and construction (5 to 20 mm diameter range).

MELC series of straightening and cutting machines (processing diameters between 4 to 36 mm) employing the rotor principle. One to six-rotors multi-line machines and capable of speeds up to 480 m/min. The rebar surface remains undamaged due to hyperbolic roller profile.

SYNTHETON H series of straightening, cutting and bending machines for re-bar within the diameter of 4 to 20 mm, employing the Hyperbolic Roller Straightening Method with one to six-line derivatives and twin bender. Fully automatic straightening and bending action.

BENDOMAT SE series of bending machines for re-bar within the diameter of 8 to 40 mm, employing the unique automatic multi-rebar left and right-hand bending action.

SPIRAL series of straightening, bending and cutting machines for spiral stirrups (up to 60 layers) for re-bar within the diameter range of 5 to 16 mm.

RINGOMAT spiral and ring-forming machine for wire and re-bar within 2 to 16 mm diameters. Machine employs a three-roller ring-forming device with two adjustable rollers and a changeable moving cutter.

PLR-I series of mesh welding machines for all reinforcing applications. Unique welding head design allows unmatched flexibility in production capabilities.

PLR-II series of mesh welding machines for all reinforcing applications with speeds up to 240 strokes per min.

PLT LADDER & TRUSS series machines for the automatic production of ladder and truss reinforcements.

PLT B series high output welding lines for production of reinforcement spacers and bar supports.

PL SF series of automatic welding lines for the production of all types and sizes of dowel basket sideframes.

PLA 03 SF-MIG series of automatic welding lines for the assembly of dowel baskets.
Larson Systems Inc.
10073 Baltimore Street N.E.
Minneapolis, MN 55418 USA
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Fax: 1-763-780-2182
Website: www.larsonsystems.com
E-Mail: sales@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 automated spring testers, automatic spring testers, calibration equipment, force gages, hand testers, presetters 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;
  - STAR 11, 25, RoboSTAR
• Torsion Spring Testers:
  - TST 200, 1300; ATST
• Spring Gages:
  - Tiger, Tiger CNC

KEY PERSONNEL:
David Larson,
President
Bruce Hill,
Vice President
Sales & Marketing

CONTACT INFORMATION:
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Mission Statement:
Our mission is built on integrity and uses mutually beneficial relationships, quality products and quality people to achieve our goals. Lesmo Machinery America offers the most efficient & productive manufacturing technologies from world leader manufacturers - these companies drive their businesses by being at the leading edge of technology. The principals represent an endeavor to continually develop innovative and original products of the highest quality.

A Appiani - steel shipping & process reels
Appiani manufacture standard and custom build steel reels according to DIN specifications or to customer requirements. A world leading manufacturer of shipping and process reels since 1962, offering:
- Steel reels for wiredrawing
- Reels for bunching & stranding
- Cable reels and drums
- Fully machined steel reels
- Spools for steel cord, hose wire, saw wire and special fine wire—all B-type spools
- Finned Flanged, corrugated steel reels
- Collapsible, take apart reels
- Plastic & Steel composite reels - ABS
www.appiani.reels.it

Cometo - wire straightening, guiding & feeding Equipment
Cometo snc, located in Annone Brianza, Italy, since its inception in 1983 with it’s goal to improve productivity, quality, incorporates the most advanced technology together with experience gained from it’s customers.

Cometo Wire Handling Products include:
- Wire Straighteners (single, dual & multi-plane models), Wire Guides – various types, Rotating Die Units - Traversing units – electronic and mechanical, Feeders – for wire, metal strip and tube with mechanical, hydraulic and pneumatic roller adjustment - Automatic wire straightening for wire bending and forming machinery and also for the elongation in the processing of concrete construction materials (rebar), Straightening and Wire Guide Rollers (Replacement Rollers).

www.cometo-italy.com

Tramev - wire, rod & cable cutters
With our range of light and portable tools to shear, cut-off, bend and even straighten is now a very simple operation. Tramev CUTTING TOOLS offer a full range of portable tooling for shearing, cutting, straightening and bending of metal wire, rod, strip, cable, bar, metal banding and also the punching of metal plate. Units are battery operated, electrically powered or electro-hydraulically powered. This range of tooling allows fast and effective solutions to the problems related to wire, cable, strand, rod, bar and bolts & nuts for quick and efficient cuts with maximum operators’ safety.

Lesmo Machinery America, Inc.
Lesmo Machinery America has been formed to service the needs of the wire and cable industry with a business policy to maintain relationships with our customers based on complete mutual trust. We aim to provide our customers an added value through improving their productivity, quality and profit.

www.lesmoamerica.com
COMPANY PROFILE:
Ulbrich Stainless Steels and Special Metals, Inc. is a global company that
produces stainless steel and special metals in strip and foil as well as flat,
fine and shaped wire. Ulbrich has strategically located service centers
in North America, Europe and Asia, extensive sales and technical support
and various quality certifications in place. Our company serves diverse
markets such as aerospace, automotive, nuclear and solar energy, medical,
chemical processing, electronics and many others. Ulbrich’s many years of experience
in the manufacturing and distribution of metal is our foundation for high quality and consistent product lines. Whether it is chemical, physical, or specialized packaging, we have the latest technology to service our customers’ unique needs.

COMMITMENT TO PARTNERSHIP:
Ulbrich is committed to work in partnership with customers to provide excellence in performance and customer satisfaction in a competitive marketplace. Our company takes pride in helping customers achieve their goals by practicing total customer responsiveness, quality commitment, continuous professional development and continuous improvement.

CONTACT INFORMATION:
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Toll-Free: 800-243-1676

MISSION STATEMENT:
Ultimation is committed to providing its customers cost-effective solutions for their wire forming and wire welding requirements.

HISTORY:
Ultimation has been manufacturing wire forming and welding machines for 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.

The ULTIMAT range of 2-axis, PC-controlled wire forming and welding machines are used for the manufacture of a wide range of wire products from POP displays to automotive components.

Comprising of six standard models for processing wire ranging from 2.00 mm (0.080") up to 16.00 mm (0.629") and with maximum frame sizes ranging from 40" x 40" to 50" x 50". The versatile ULTIMAT design negates the need for special tooling to produce high-quality parts and components. Special ULTIMAT versions can be supplied for use with flat strip or profiled wire. Other options include press and chamfering stations, secondary bend heads for intricate forms with a tilting table to accommodate large components or for forming spirals.

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.

Ultimation’s product line is not limited to standard wire forming machines, as they also design and manufacture special purpose models to suit customer requirements. Recent projects have included the design and manufacture of the new versions of the UCW-65 and UGW-65 models which are fully automatic welding machines for the production of “Political Sign Frames” primarily used in the USA. Plus the development of the NEW UDB-65 Automatic Twin Head Forming Machine.

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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.

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