

## AIM Inc

601

AIM (Automated Industrial Machinery, Inc) will promote its new AFCE-3Dx line of updated compact CNC benders.

Options include automatic bend setup with AccuCal, easy production statistics with AccuTrack, 24/7 online AIM Academy training, CMM communications for automatic programmer corrections, integration with robots, and STEP and IGES file import.



AFES-3D8T model wire bender

A proven AIM model for more than 20 years, the AccuForm Compact provides flexibility in wire forming capability, claimed to enable double the production rates of the low-cost competition. Standard features include DXF, LRA and XYZ import; animated bending simulation with collision detection; auto speed/load monitoring; touchscreen monitors and Microsoft Windows; a 5 HP wire payoff; "Dial-A-Service" for remote support (Internet); and a module that reminds users of what maintenance needs to be carried out.

**AIM Inc**  
www.aimmachines.com

## Blachford Corp

821

Blachford Corporation is a manufacturer of lubricants, pre-coats and speciality chemicals for the ferrous and non-ferrous wire industry. It has been supplying custom-designed lubricants to global and North American manufacturers of welding wire, spring wire, PC strand, tyre bead and tyre cord, and industrial wire since the 1950s.



Blachford personnel at the company's show booth

www.read-eurowire.com

The company's products include a line of low-dust lubricants, borax-free pre-coats and a new series of borax-free lubricants.

Blachford recently partnered with Metalube to offer lubricants for copper and aluminium wire and copper tubing in Canada, Mexico and the USA.

**Blachford Corp**  
www.blachford.com

## Condat

707

2024 marks a significant milestone for Condat, as the company celebrates its 170<sup>th</sup> anniversary, having demonstrated its ability to adapt, innovate and reinvent itself over the decades, using its extensive expertise.

The company provides a comprehensive range of borax-free products, from surface treatments to wire drawing soaps. Over the last 20 years it has expanded its borax-free range with a focus on operator health and environmental sustainability, using select raw materials for its formulations to minimise the use of CMR components and hazardous materials.

Condat's experts provide personalised advice for lubrication solutions that recognise the needs of each wire drawing plant. The objective is not to encourage excessive consumption but to assist wire producers in consuming less while consuming better.

The company can conduct on-site assessments to reduce total wire drawing costs, minimise workshop dust, enhance productivity and maximise the effectiveness of pre-coatings and wire drawing soaps.

Condat has been awarded the Platinum medal for its corporate social responsibility (CSR) by EcoVadis – in 2021 and renewed in 2023.

**Condat**  
www.condatcorp.com

## Condroil Chemical Srl

TBC

The most promising chemical components for the production and transformation processes in the wire and tube industries are polymers, according to Condroil Chemical Srl.

The synthetic or natural substances are composed of very large molecules that are multiples of simpler chemical units. Using different chemical units, molecular

dimensions, ramification and functional groups it is possible to obtain the desired characteristics for a specific task.

In particular, Condroil Chemical has developed several new formulations in a number of ranges: Condroquench series mineral-oil-free quenching polymers; Condrolube DF and TF series polymer-based products for cold forming processes on wire and tubes; and Condrolube 280 SAL series boron-free conditioners for non-reactive coatings.

**Condroil Chemical Srl**  
<https://condroil.com>

## Continuus-Properzi SpA

514

In recent years, the worldwide economy has faced new challenges, such as the pandemic and geopolitical tensions. The situation has compelled many companies to interrupt long-standing commercial relationships with consolidated partners and suppliers in order to find new ones in areas where other similar companies are also searching.

The availability of aluminium or copper rod (as an example of an altered supply chain) is not taken for granted, and could become a point for possible future development. This becomes more strategic when producing cables that require specific rod characteristics.



Example of a CCR aluminium line for internal consumption by cable producers

In order to produce high-quality EC grade and in particular alloy rod, as well as high quality copper rod, the requirements include a properly designed casting and rolling line and know-how.

The rod market cannot be considered as a simple commodity with identical characteristics from one supplier to another; they can change drastically causing several, often critical, problems during required downstream processes for cable manufacturing.

Based on these considerations, several cable manufacturers are reconsidering their strategy on supply chain, integrating vertically their manufacturing process to include production of aluminium and/or copper rod for their own internal consumption. This shifts the need from sourcing a product with specific properties to finding commodities such as ingots/sows/T-bars for Al rod production and cathodes for Cu rod production.

The choice of internal rod production also has economic advantages, including lower transportation costs.

Continuus-Properti has designed a range of casting and rolling lines for the production of aluminium or copper rod for internal consumption by cable producers. The casting and rolling line, including furnace set, fume treatment system (if needed) and ancillaries, are designed to allow easy operation and maintenance in any environment, with complete training and transfer of know-how to the customer's team.

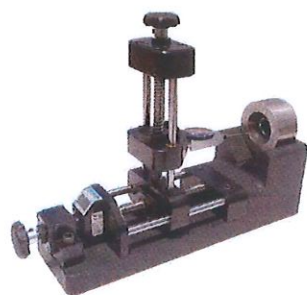
The company has designed rod lines for smaller volumes than those typically requested by traditional rod producers. It can also provide a wide range of furnaces suitable to process and refine, if required, scrap generated during the downstream production process and scrap sourced from the market.

**Continuus-Properti SpA**  
www.properzi.com

## Die Quip

402

Die Quip, a manufacturer of die reworking machines, will be displaying products from its die measuring line at Wire Expo 2024. Focusing on diameter measurements and die geometry, the company has created quick and easy solutions for wire, bar and tube mills.



The new Die Check 200

The new Die Check 200 with Calculator measures the bearing length and approach angle of dies larger than 6.3mm (0.25").

The Calculator can interpret the measurement data, as well as providing the die shop with cutting amounts to correct the die's geometry.

www.wirecutterstore.com offers a variety of manual and powered wire cutting tools to handle any size or material that needs to be cut. The line of hydraulic cutters can replace existing systems, and will typically work with existing power packs to reduce the cost of replacing an old cutting head.

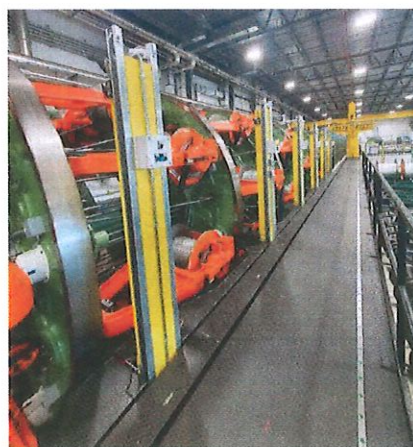
For new hydraulic systems, the company has a wide variety of cutting and straightening heads to meet diameter and material specifications.

**Die Quip**  
www.diequip.com

## FLYMCA

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FLYMCA manufactures rotating machines for the cable industry, specifically rigid type machines, tubular stranders with bullhead and planetary armoring lines.



FLYMCA specialises in large-scale stranding, cabling and armoring

In recent years, the company has focused on improving specialised machinery designed for large-scale stranding, cabling, screening and armoring purposes, with an emphasis on producing submarine, offshore and umbilical cables.

Armoring lines are constructed in two different configurations: large tubular stranders for multiple wires with bullhead, prepared for FO core paying-off, to avoid torsion on the FO element or tube; and large planetary armoring lines for heavy power transmission cables produced on heavy-duty machines with a high number of wires, based on single-, double- or even triple-wire layer design.

Stranding cages are prepared for multiple numbers of bobbins, for example up to 120 units per cage.

The machines incorporate automatic bobbin-loading systems to reduce downtime and minimise the possibility of accidents when manipulating the bobbins, compared to standard loading-crane systems.

The company's stranding and screening equipment for these cables uses rigid-type machines. Stranders are prepared to produce from payoff bobbins with a flange diameter of 630 and 800mm with up to 169 wires and up to 4,000mm<sup>2</sup> in copper.

These stranding machines are equipped with automatic bobbin-loading systems; specially designed wire stranding heads either for prepared round or trapezoidal wire sections; substantial compaction systems; and devices for applying water blocking by yarn and powder.

FLYMCA has incorporated upgrades to its equipment that have led to reduced downtime and change-over periods, as well decreasing reliance on operator intervention to improve safety and human failure/accidents. These changes include the integration of accumulators for continuous operation; and automated cutting and taping mechanisms.

**FLYMCA**  
www.flymca.com

## Fort Wayne Wire Die, Inc 409

Fort Wayne Wire Die, Inc was founded in 1937 as a manufacturer of precision single-crystal natural-diamond dies. The product line expanded to now include polycrystalline diamond dies, tungsten carbide dies, shaped profile dies, extrusion tips and dies, and other wear parts for the wire industry.

The company also provides re-cutting and reconditioning services for diamond and carbide dies, and supplies new and re-cut matched elongation die sets for high speed, multi-wire drawing machines. A complete line of equipment for die maintenance, measurement and inspection of wire drawing dies allows it to offer customers worldwide the necessary equipment and tools to operate an in-house re-cutting service.

The standard product line includes single-crystal natural-diamond wire dies featuring X-ray orientation and optimum accuracy and surface polish from 0.0075 to 2.9mm (0.0003" to 0.114").