

New Products & Innovations at ICE USA 2013!

Teknikor: offering turnkey solutions for projects of any size

Teknikor is changing the way building/plant systems are designed, deployed, upgraded, relocated, and maintained by operating as a single-source provider. Based in Fall River, MA and Union, KY, the company helps institutional, commercial, industrial, retail and governmental organizations across the country optimize all aspects of their facilities and operations, bringing new efficiency while reducing operating costs. Teknikor makes their customers shake their heads and wonder: How did they bring this job in on time? How did they do it on budget? How did they figure out what all the other "experts" said couldn't be done? How did they do it?

Teknikor was born in 2010 from the merger of four companies (Gemco, ECS, Action Energy and PFP). Teknikor's success has, from the beginning, been a result of dedication and commitment to their customers. One company, acting synergistically, that's greater than the sum of its divisions and services.



List of services:

- Automation & Controls
- Mechanical Contracting
- Engineering & Plant Layout
- Precision Alignment
- Electrical Contracting
- Machine Shop
- Steel Fabrication & Erection
- Electrical Maintenance & Testing
- Rigging & Trucking

For more information, visit us at Booth 136 at ICE USA or www.teknikor.com, contact Peter Paindiris via email at peter.paindiris@teknikor.com or call him at 508-672-0811.

American Roller Company & Plasma Coatings

A new, cutting-edge piece of equipment has made its way to American Roller Company and Plasma Coatings: a robotically manipulated, HVOF system that allows for the spraying of carbide materials at a high velocity. High pressure is one of the system's most unique features. By virtue of its design, this is the only HVOF process on the market that produces coatings under compressive forces, as opposed to forces under tension. These forces are achieved by producing particle velocities in the range of 3,300 to 3,900 feet per second, which is significantly higher than traditional gaseous-fueled systems.

The Plasma Coatings system provides superior coatings in the following ways:

- Coatings can be applied thicker with higher bond strengths
- Better control of porosity/density and hardness with low oxide content
- Smoother as sprayed RA, making grinding easier
- Lower flame temperature allows more carbides to remain in their original, less brittle state (harder coating)

This unique process allows for more process automation, a more consistent procedure, and repeatability. American Roller Company and Plasma Coatings is very excited to now offer the capabilities of this technology to our customers for roller and parts coatings.

Visit us at ICE USA, Booth 462.



HVOF robot

Bekaert Solaronics

For more than 40 years, Bekaert Solaronics* has supplied customized drying and heating systems based on gas and electrical infrared and air technology to a wide range of industries, including converting applications. Our products are based on a unique golden reflector that ensures the highest energy efficiency.

Monocassettes

are used in the envelope industries to dry the water-based glue of envelopes, and to dry ink when paper width is limited.

Compared to traditional hot air blowing dryers, Bekaert glue-drying systems for envelopes give energy savings, lower maintenance costs, less heating around the machine, and easy power control. **Miniflex**, **Miniflex2**, **WebFlex** and **MasterCassette** are designed to be integrated in flexoprinting machines for intermediate and final drying when limited space is available. Our equipment is flexible and can deliver an infrared power from 0% to 100%. The gold parabolic reflectors ensure that the energy is focused within the zone where it is needed and results in lower energy cost compared to other solutions. **MonoCassettes**, **MasterCassettes** and **Webmate** are also suitable for drying electrotechnical insulation paper in winders for transformer bushings, submarine high-voltage cables and transformer bushings (drying of insulation paper to <0.4% moisture).

Visit us at ICE USA Booth 1134. Contact us - Tel: +33 3 20 10 59 49 - Fax: +33 3 20 10 59 39 - Email: sales.ncdpaper@bekaert.com, or www.infrared.drying.bekaert.com

*Solaronics Bekaert is not to be confused with Solaronics Inc., based in Rochester, Michigan.

In the United States, the non-contact drying business of Bekaert is coordinated through Bekaert Corp., 1395 South Marietta Parkway, Building 500, Suite 100, Marietta, Georgia 30067-4440.



SUR-SIZE™ Sheeter FGW-1000

Ideal for High Speed Applications AZCO Corp. introduces a new generation of simple to operate sheeting equipment which can fit in any type of converting or material handling environment. The FGW-1000 sheeter is ideal for film, foil, paper, non-woven, laminate, composite or any other flexible material. This modular unit is built to last, providing exceptional durability with remarkable accuracy. An unwind with an optional edge guide, a cut-to-length assembly with an optional slitter, and a take-away conveyor are included with this machine. Visit AZCO at ICE USA, Booth 315 or www.azcocorp.com.

VETAPHONE

VETAPHONE, the Danish inventor and manufacturer of equipment for Corona treatment will display their series of Corona treaters for Converting processes at the ICE USA Exhibition 2013, Booth 521.

The corona treater is available for both single and double-sided treatment. It is a user-friendly solution that guarantees high, uniform treatment levels on both conductive and non-conductive substrates. Equipped with the patented Quick Change System it also secures minimal downtime, reduced maintenance costs and increased productivity.

VETAPHONE's Corona equipment is designed to cope with high speeds. It is built with heavy duty construction to increase lifetime and secure stability in production. The Corona treater can be combined with the new iCorona intelligent generator series.

The iCorona series has a modular design and is upgradeable.



Vetaphone
VE1C Corona Station

Novamelt Americas Announces Product Introductions at ICE USA 2013



Novamelt Americas is excited to announce a host of new hot melt PSA product offerings for the converting markets in the Americas. We are certain that this expanded portfolio, along with the product array already being manufactured and sold by Novamelt, will meet the demanding needs of converters in the Americas. These new products include:

- **PS 1212G** - General purpose, permanent label adhesive. Excellent adhesion to cardboard, excellent die cutting properties.
- **PS 1210** - Dairy / refrigerator temperature, permanent label adhesive. Excellent adhesion to milk jugs and other substrates, with service temperatures below freezing.
- **PS 3016** - Deep freezer grade label adhesive. Application temperatures down to -40 F.
- **PS 5041** - High temperature resistant tape adhesive. Heat resistance up to 225F.
- **PS 9061** - Medical grade, direct skin contact adhesive for medical and sport tapes, bandages, EKG tabs, and other medical products.
- **PS 1041** - Nonwoven tape adhesive, with excellent shear properties
- Full product range of **UV-curable** acrylic hot melt adhesives for a wide range of label, tape, medical, electronic, and industrial applications.

Novamelt Americas will be exhibiting at ICE USA 2013 at Booth 221. We look forward to meeting you!

Novamelt Americas LLC Tel: 1-336-434-9500, Fax: 336-434-9501, or www.novamelt.com.

Polytec, Inc.

The LSV family of Laser Velocimeters offers a range of solutions for noncontact length & speed measurement for the paper and film converting industries.

The LSV requires little to no maintenance and offers long term consistency. It is ideal for accurate and repeatable footage counting on winders or for precise web speed measurement on critical, tension sensitive and touch sensitive materials. In addition, two systems in line will provide valuable draw and stretch information directly from the web speed, rather than from motor speeds and load cells. The LSV enables users to directly measure web speed & length with complete confidence, accurately, reliably and with long term repeatability. The combination of various output signals and logic I/O such as encoder pulse train, Serial, Ethernet and more make interfacing to counter displays and PLC's simple, while the use of a visible, red, laser enables easy alignment.

Visit Polytec at Booth 1265 or www.polytec.com to learn how the LSV laser velocimeter can help to improve quality and increase yield.



GL&V USA

As a complement to the complete line of Cameron duplex and surface slitter rewinders GL&V USA will be showing its new Magtrim™ automatic slitter positioning system capable of a 7 second slitter set up to an accuracy of +/- 0.004 thousandths of an inch. A digital slitter positioning readout will also be on display. Complete system automation retrofit displays will also be discussed.

