The Official Show Preview of ICE USA 2013

Official Newsletter of North America's Dedicated Converting Show for Flexible Materials





INTERNATIONAL CONVERTING EXHIBITION • APRIL 9-11, 2013 • OCCC, ORLANDO, FLORIDA

www.ice-x-usa.com

Enormous Growth of ICE USA Reflects a Strong North American Market

The North American converting community will once again converge in Florida, April 9-11, 2013 when thousands of your industry peers - suppliers, technical experts, buyers and other converting professionals will travel to Orlando to attend ICE USA 2013, the International Converting Exhibition. Past visitors have praised the amount and variety of running converting machinery along with the supplies and services available on the show floor. This April, ICE USA 2013 will be over 25% larger than our last show. Over One Hundred new first time exhibitors have joined the show and over 35 returning exhibitors have increased their booth space.

The reasons for attending ICE USA are many: • Our expanded technical conference and seminars organized by our educational partners, AIMCAL, CEMA, TAPPI, PSTC, AWA, and Radtech, promise

to deliver the highest quality technical and practical application content.

- Each show day from 9:00am to 10:00am attendees can participate in free keynote addresses from industry experts.
- The Technology Showcase Theater, new for 2013, will be a special presentation area on the show floor where exhibitors provide information about their new products, solutions, and technology to all attendees. These presentations are provided at no additional cost to all ICE USA visitors.
- The "Ask the Experts" pavilion on the show floor allows attendees to meet with industry consultants widely recognized for their expertise in specific segments of the converting industry, These, 15 minute, one-on-one meetings to help solve technical and operational problems may also be scheduled

by attendees at no cost.

 Of course the greatest attractions of ICE USA are the exhibits on the show floor. Exhibitors from around the globe and across North America will be displaying and running a large variety of converting machinery and equipment.

Whether your interest is package printing, coating & laminating, web handling, slitting, winding, finishing or inspection & gauging, ICE USA is a 'must attend' event for any converter of flexible materials.

Flights and hotels are filling up. If you haven't already made your travel arrangements to Orlando, it is time to do so now.

See you all in Orlando in April!

Sincerely,

Polit A Chumant

Bob Chiricosta

Director North American Exhibitions - ICE USA

ICE USA Reveals 'Ask the Experts' Line-Up for 2013 Show in Orlando

Free to All Registered Attendees

ICE USA has announced the five leading industry experts that will be available for private consulting sessions during the 2013 Show in Orlando, April 9-11. Representing critical segments of the converting marketplace, these well-known industry authorities will be available free-of-charge to help attendees find solutions to their specific technical and operational challenges. The five experts and their areas of expertise are:

Dr. Dave Roisum - Web Handling & Converting



Dr. Roisum is a well-known authority in the area of web handling and converting. He has authored seven books, including Winding, Rollers and Web Handling. He is now a principal of Finishing Technologies Inc., providing consulting services to more than 300 clients who convert or manufacture: paper, film, foil, nonwovens, textiles, and many other materials.



Dr. Cohen is a technical consultant in all aspects of the web coating process. Currently he is Technical Consultant for AIMCAL and President of the International Society of Coating Show attendees can schedule a 15-minute, one-on-one consultation with any of these industry experts in advance online at www.ice-x-usa.com , as well as make an appointment onsite, based on availability.

Show management encourages attendees to schedule these FREE sessions online in advance to ensure they get the times they want.

Dr. Edward D. Cohen - Web Coating



Science and Technology.

Kelly Robinson - Static



Kelly Robinson founded Flectrostatic Answers. an engineering consulting company dedicated to eliminating injury and waste from static electricity. Kelly has over 25 years of industrial problem solving experience. Kelly is also a contributing editor for Paper Film & Foil Converter and writes "Static Beat," a monthly column on static control.

Dave Rumson - Slitting & Rewinding



Dave Rumson, Slitting Educator/Consultant has had 17 years slitting and winding experience with Dienes Corporation and Parkinson Technologies. He has presented for CEMA, AIMCAL and TAPPI for over 20 years and has conducted numerous nationwide public and corporate shear, crush and razor slitting seminars.

Vincent DiTrolio - Flexographic Printing



Vincent DiTrolio has worked in the flexographic printing industry for over 20 years. He is highly regarded in the industry as a flexo expert, and pioneer in formal press operator training. Through DiTrolio Flexographic Institute, an Illinois State Board of Education and Department of Veteran's Affairs approved program, his organization has trained hundreds of press operators

BE A PART OF ICE USA!







OCCC (Orange County Convention Center) North Hall B 9800 International Drive • Orlando, Fl. 32819

Registration Hours

Sunday	April 7, 2013	10:00am - 5:00pm
Monday	April 8, 2013	7:00am - 5:00pm
Tuesday	April 9, 2013	8:00am - 5:00pm
Wednesday	April 10, 2013	8:00am - 5:00pm
Thursday	April 11, 2013	8:00am - 4:00pm

Entrance Tickets

April 9, 2013 Tuesday 9:00am - 5:00pm Wednesday April 10, 2013 9:00am - 5:00pm April 11, 2013 9:00am - 4:00pm Thursday

Register Online Today and Save 50%!

Simply go to www.ice-x-usa.com and click on the Register Now button on the Homepage.

Pre-Show Seminars Seminars Include a 3-Day Exhibit Hall Pass

\$20.00

\$40.00

Monday, April 8th, 9:00am - 4:00pm



3-Day Pre-Show

3-Day Ticket On-Site

AWA DecTec™ - Labeling & Packaging Decorating Technology Seminar 2013 -\$295

 $\mathsf{DecTec^{TM}}$ (Decoration Technologies) is the label and labeling platform to provide a review of product decoration in its broader context, as a prime component in packaging. DecTec™ 2013, organized by AWA Alexander Watson Associates, will feature presentations by key industry leaders. Industry Presentations to include:

- A global overview of the label and product decoration market
- A summary of the North American label market
- An in-depth look at the sleeve label market An update on the developments in the linerless
- An assessment of brand protection and product
- authentication solutions for labels and packaging
- A review of technological developments for the different label formats
- A reality check in regards to recycling and sustainability for labels

Monday, April 8th, 8:30am - 12:00pm

RADTECH

RADTECH - Enabling Innovation in Packaging UV & EB Curable Inks, Coatings & Adhesives Seminar - \$95

Leading suppliers and users of UV (ultraviolet) and EB (electron beam) curable inks, coatings, and adhesives will discuss some of the current and future trends and applications in press technology, special effect ink/coatings, and other sustainable and innovative initiatives. Discussions will show how these initiatives are driving and enabling current and future packaging developments Representatives from Consumer Product Goods (CPG) companies will be invited to speak about their perspectives on the impact of UV and EB technology on package development.

Monday, April 8th, 8:30am - 5:00pm



We will define the basic properties of pressure sensitive adhesives (PSAs) and discuss how polymer and material properties combine to give the unique performance attributes of tapes. We will go on to explain how these properties affect what happens during bonding – how bonds form, and what can prevent them from forming properly, as well as how these properties affect converting processes. We will also include a discussion of common test methods used to qualify tapes - what they are performed, what they mean and how to relate the data to real applications.

Monday, April 8th, 8:00am - 5:00pm

CEMA Coating & Drying Fundamentals for Converters Seminar - \$295

This seminar is a special condensed version of the CEMA two day seminar exclusively for the ICE exhibition. The instructors take the attendee through the web coating operation from unwind to rewind, with everything in between. All involved are very knowledgeable in their areas of expertise and present the fundamentals of coating and laminating through engaging presentations. Instructors include real world tips for improving productivity, reducing downtime and waste and increasing yield and throughput.

Monday, April 8th, 8:00am - 5:00pm



CEMA Web Slitting and Rewinding for Converters - \$295

This seminar is a condensed version of the CEMA two day seminar exclusively for the ICE exhibition. The seminar is ideal for anyone involved with the slitting and rewinding operations for paper, film, nonwovens and other continuous flexible materials. The people who design and manufacture slitting and rewinding equipment will take you step by step through the best practices techniques in such areas as winding, slitting, tension, trim removal and static.

Monday, April 8, 8:00am - 5:00pm

TAPPI

TAPPI PLACE Flexible Packaging Symposium: Novel Nanotechnology and Barrier Developments Member Rate - \$450,

Non-Member Rate -\$675 New Member Rate including annual individual membership - \$624

TAPPI offers this exclusive opportunity to attend the first ever collaboration between two of their premier technical divisions — PLACE (Polymers, Laminations, Coatings and Extrusions) and the Nanotechnology Division. They bring together the leading experts in the field of Flexible Packaging and New Technology developments, who will share their insights on the emerging areas of nanotechnology within packaging. This 3-session event will open a window to the most recent innovations in the use of nanotechnology in packaging.

- Innovations in Preparing Polymer-Based Nanomaterials for improving the mechanical and barrier properties of flexible packaging materials.
- Innovations in Traditional Barrier Enhancements for packaging films.
- Brand Launch Strategies, Shelf Appeal Enhancement, and Brand Authentication for these innovatively-packaged consumer products.

ICE USA 2013

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North America, Inc.	oating	
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Converter Magazine	UK	0
Converting Hotline	USA	
Converting Influence	USA	9
Converting Quarterly	USA	9
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Dessau International	USA
Dienes USA Dietze & Schell Maschinenfabrik GmbH & Co. KG	utschland
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DiTrolio Flexographic Institute Diversified Systems	USA
Dolci Extrusion	Italy
Double E Company	USA
Double Ju International Ltd.	Germany
Dover Flexo Electronics, Inc.	USA
Doyle Systems	USA
EC Designs (USA) Ltd/Elite Cameron	an UK
EIT Instrument Markets	USA
Electronic Systems	Italy
Elsner Engineering Works, Inc.	USA
Empire Treater Rolls	USA
Enercon Industries Erhardt+Leimer, Inc.	USA
Esse Ci S.r.l.	- Italy
Exopack Advanced Coatings	USA
Expert Stephan Heuser	Germany
Extrusion Dies Ind. (EDI)	USA
EyeC - America LLC	USA
FACTS, Inc.	USA
Faes AG S	witzerland
Faustel Inc.	USA
FIFE Corp.	USA
Filmquest	USA
Finzer Roller	USA
Fi-Tech	USA
Fives North American	USA
Flexible Packaging	USA
Flexo Wash Rage Prin	USA
Flint Group Flexographic Products	PUSA
Fluoron Inc.	USA
FMS USA, Inc.	USA
Foresight Technologies	USA
Fox River Associates	USA
Fox River Associates Fox Valley Technical College	USA USA
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Exhibitor List

hibitors as of January 4, 2013

Inside Finishing	USA	Pillar Technologies
International Machinery	USA	Pinnacle Systems
ISRA VISION	USA	Placid Industries
IST America	Germany	Plasmawerk
ITW Dynatec	USA	Polymag Tek, Inc.
Jemmco (USI)	USA	Polytec Inc.
Jennerjahn Machine Inc.	USA	Polytype Converting A
Kampf Karlville Development Group	Germany	Precision AirConvey Co
Klockner Pentaplast	USA	Prime UV Systems
Kongskilde	USA	Process Sensors
Kroenert	Germany	Progressive Recovery,
KYMC America	USA	Proton Products Intern
LAEM System	Italy	Pruftechnik Service, Ir
LASX Industries	USA	PSA Technology
Lever Manufacturing	USA	Pyradia Inc.
Leybold Optics	USA	QUADTECH
Lowell Corporation	USA	Quality Converting
M Torres USA	Asiausa	Racine Flame Spray
Macro Engineering	Canada	Radiant Energy System
Magnat-Fairview	USA	RadTech
MAGPOWER / Sign	USA	RG Engineering
Mahlo Klockner Pe	USA	Rockwell Automation
Mahr Metering Systems	USA	Rodolfo Comerio
Mamata Engineer	USA	Roll Technology
Manufacturers Supplies	USA	Rossini North America
MarquipWardUnited	USA	Rotadyne
Martignoni Elettrotecnica SRL	Italy	Rotometrics
Materials Converting, LLC.	USA	Ryeco Incorporated
Mathis USA, Inc.	USA	Sage Automation
Matik 9 Vacinie	USA	SAM North America L
Maxcess Maulon S	STUSA	Saueressig GmbH
Meech ontrol Syst	em USA	Schenk Vision
Megtec Systems Inc.	GUSA	Schlumpf Kinsol
Menzel, LP	PlacUSA	Sensory Analytics, LLC
Mesys GmbH	Germany	Siemens
Mica Corp	USA	Simco-ion
Mid South Roller	USA	SML Extrusion Technology Sonoco Products Com
Midwest Engineered Systems Miltec UV	USA	J Endineerii
Mirror Polishing and	USA	Spartanics Spiral Windor Corpora
Plating Co., Inc.	Optical	Spiral Winder Corpora Spooner Industries
MIRWAC Film Inc.	USA	Static Clean Internation
Mitsubishi Materials	USA	StopStatic
Mocon Inc.	USA	Stratis Plastic Pallets/
Moistech Oration •	Prusa	Snyder Industries
Moisture Register Products	VICUSA	TGW International
Montalvo Adv	/an USA	TAKK Industries Inc.
MTI Polyexe	△ USA	Tann Corporation
NDC Infrared	USA	Tapeswitch Corporatio
Newark Group	USA	TAPPI
New Era Converting	USA	Technical Coating Inte
Machinery, Inc,	G • Ba	Teknikor
Nexgen Enviro Systems, Inc.	USA	Testing Machines
Norcross Corporation	USA	The Gravure Associati
Nordson Corp.	USA	the Americas (PLGA
Northfield Automation	USA	Thermo Fisher Scienti
Systems Inc.		Thwing-Albert Instrum
Novamelt Americas	ON USA	SiTidland Conve
Novation Inc.	atiusa	Tilt-Lock Dae
NRD LLC LC • Dea	USA	Toll Coating
OASIS Alignment Services, Inc.	USA	Totani America
OCS Optical Control	Germany	Tresu
Systems GmbH		Unilux
OPTIMA Life Science	Germany	United Plastic Recycli
Oracal USA	USA	Uteco
Overbridge Technology	USA	Vacuumatic Maschiner
Owecon ApS	Denmark	Valco Melton
Ox Paper Tube & Core	USA	Vetaphone
Package Printing	USA	W. R. Chestnut
Paperboard Packaging	USA	Web Systems Inc.
Parker Hannifin - 11800	ICS USA	WEBEX Inc. OS
SSD Drives Div.	Asia • I	Weko North America
Parkinson Technologies	USA	Wilson Manufacturing
PCI Films Consulting Limited	UK	Wintriss Engineering (
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PCT Engineered Products	USA	Xaloy

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Pillar Technologies Pinnacle Systems	USA
Placid Industries	USA
Plasmawerk	Germany
Polymag Tek, Inc.	USA
Polytec Inc. Polytype Converting AG S	USA witzerland
Precision AirConvey Corp. (PAC)	
Preco, Inc. Doyle Sys	USA
Prime UV Systems	USA
Process Sensors Progressive Recovery, Inc.	USA
Proton Products International	UK
Pruftechnik Service, Inc.	USA
PSA Technology Pyradia Inc.	Germany
QUADTECH	USA
Quality Converting	USA
Racine Flame Spray	OSUSA
Radiant Energy Systems RadTech	USA
RG Engineering	USA
Rockwell Automation	USA
Rodolfo Comerio	Italy
Roll Technology Rossini North America	USA
Rotadyne	USA
Rotometrics	USA
Ryeco Incorporated	USA
Sage Automation SAM North America LLC	USA
Saueressig GmbH	Germany
Schenk Vision	USA
Schlumpf Kinson Lec	USA
Sensory Analytics, LLC Siemens	USA
Simco-ion	USA
SML Extrusion Technology	USA
Sonoco Products Company Spartanics	USA
Spiral Winder Corporation	USA
Spooner Industries	UK
Static Clean International	USA
StopStatic Stratis Plastic Pallets/	USA
Snyder Industries	gress
TGW International	USA
TAKK Industries Inc.	USA
Tapeswitch Corporation	USA
TAPPI	USA
Technical Coating International	USA
Teknikor Testing Machines	USA
The Gravure Association of	USA
the Americas (PLGA)	ology
Thermo Fisher Scientific	USA
Thwing-Albert Instrument Co.	COMMO
Tidland Converting	USA
Till-Lock Daetwyl	USA USA USA
Tilt-Lock Daetwyl Toll Coating Delta	USA USA USA
Till-Lock Toll Coating Totani America	USA USA USA USA
Tilt-Lock Daetwyl Toll Coating Delta	USA USA USA
Tilt-Lock Toll Coating Totani America Tresu	USA USA USA USA Denmark USA
Tilt-Lock Toll Coating Totani America Tresu Unilux United Plastic Recycling Uteco	USA USA USA USA Denmark USA USA USA
Tilt-Lock Toll Coating Totani America Tresu Unilux United Plastic Recycling Uteco Vacuumatic Maschinen GmbH	USA USA USA USA Denmark USA
Tilt-Lock Toll Coating Totani America Tresu Unilux United Plastic Recycling Uteco	USA USA USA USA Denmark USA USA USA Germany
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Tilt-Lock Toll Coating Totani America Tresu Unilux United Plastic Recycling Uteco Vacuumatic Maschinen GmbH Valco Melton Vetaphone W. R. Chestnut Web Systems Inc.	USA USA USA USA Denmark USA USA USA USA Germany USA Denmark USA USA
Tilt-Lock Toll Coating Totani America Tresu Unilux United Plastic Recycling Uteco Vacuumatic Maschinen GmbH Valco Melton Vetaphone W. R. Chestnut	USA USA USA USA Denmark USA USA USA USA Germany USA Denmark USA
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2013 10:00am - 12:00nm	Organization	Drecenter

	Organization	Presenter
WEB COATING METHODS Coating Process Success Principles Cartridge Coaters - Design for Flexibility and Efficiency	Edward D Cohen Consulting Inc. New Era	Edward D Cohen Bob Pasquale & John Looser
Bead Coating - The cutting-edge technology for coatings of functional films	KROENERT GmbH & CO KG	Daniel Eggerath
Non-Contact Precision Metered Coating WEB HANDLING - TENSION	ITW Dynatec	Mike Budai
Answers to Tensioning Questions (2 hour session) ADHESIVES/ADHESION	Finishing Technologies and TJWalker Associates	Dr. David R. Roisum Timothy J. Walker
Novel approaches towards curing of radiation curable pressure sensitive adhesives	Collano Adhesives AG	Benno Blickenstorfer
Effects of Cumulative Surface Treatment on Vacuum-Deposited Coating Adhesion	Enercon Industries Corporation	Rory Wolf
New Water Based Compostable Adhesive System Reduced Solvent and Higher Speed Application of Two Component Polyurethane Adhesives	BASF The Dow Chemical Company	John Fitzgerald David Vitti, Woo-Sun Bae & Linda Anderso
Wednesday April 10, 2013 10:00am - 12:00pm	Organization	Presenter
WEB COATING - CURING		
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic	PCT Engineered Systems GEW (EC) Limited EIT Instrument Markets Herrmann Ultrasonics	Karl Swanson David Lyus Paul Mills Jim Raymont Bill Lynch
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic Bonding versus Alternative Bonding Methods	GEW (EC) Limited EIT Instrument Markets	David Lyus Paul Mills Jim Raymont
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic	GEW (EC) Limited EIT Instrument Markets	David Lyus Paul Mills Jim Raymont
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic Bonding versus Alternative Bonding Methods WEB HANDLING - ROLLERS Answers to Roller Design and Alignment	GEW (EC) Limited EIT Instrument Markets Herrmann Ultrasonics Finishing Technologies and	David Lyus Paul Mills Jim Raymont Bill Lynch Dr. David R. Roisum
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic Bonding versus Alternative Bonding Methods WEB HANDLING - ROLLERS Answers to Roller Design and Alignment Questions (2 hour session) ADHESIVES/ADHESION Technical & Regulatory Considerations for the New Entrants to the Short-Run Flexible Packaging Market UV curable PSA for industrial tapes applications Controlled Adhesion in Reactive Solution Acrylic PSA's	GEW (EC) Limited EIT Instrument Markets Herrmann Ultrasonics Finishing Technologies and TJWalker Associates Ashland Ashland Performance Materials Henkel Corporation	David Lyus Paul Mills Jim Raymont Bill Lynch Dr. David R. Roisum Timothy J. Walker Kelly Williams Zhaohui Sun Ingrid Brase and Anje Schneider
Electron Beam Technology Advancements In Package Decoration Low Energy UV Curing for High Speed Presses Advances in UV Measurement for Better Process Control Advantages and benefits of Ultrasonic Bonding versus Alternative Bonding Methods WEB HANDLING - ROLLERS Answers to Roller Design and Alignment Questions (2 hour session) ADHESIVES/ADHESION Technical & Regulatory Considerations for the New Entrants to the Short-Run Flexible Packaging Market UV curable PSA for industrial tapes applications Controlled Adhesion in Reactive Solution	GEW (EC) Limited EIT Instrument Markets Herrmann Ultrasonics Finishing Technologies and TJWalker Associates Ashland Ashland Performance Materials	David Lyus Paul Mills Jim Raymont Bill Lynch Dr. David R. Roisum Timothy J. Walker Kelly Williams Zhaohui Sun Ingrid Brase and

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- ADHESIVES/ADHESION
- Emulsion Silicones and CCK The Building Blocks for Specialty Release papers
- Silicone Release and Pressure Sensitive Adhesives: Making the Right Selection for Label Applications
- In-line process control of silicone coatings
- Web Cleaning for Improved Adhesion
 Advanced On-Line Infrared Measurement Techniques of Polymer Structures

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Ashland	Kelly Williams
Ashland Performance Materials Henkel Corporation	Zhaohui Sun Ingrid Brase and Anje Schneider
Mica Corp.	Bruce Foster
Organization	Presenter
Organization	Presenter
Organization OCS Optical Control Systems	Presenter Oliver Hissmann

Dr. Rudolf Krampe

Kim-Anne Dufour

Robin Ulanski

Kelly Robinson Dave Rumson

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Opportunities and Threats in the Global Flexible 9:00A VsbsauT MA00:9



Paul Gaster, Packaging Market

01 lingA vsbeenbeW MA00:9

BOPET and BOPP film trends to 2016 11 lingA ysbraudT MA00:9

Paul Gaster, Director Flexible Packaging at PCI Films Consulting Ltd

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