



International METAL DECORATOR

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IMDA Awards

A And So it Goes.....

Each year the metal decorating industry gathers to network and participate in all that the IMDA offers during their Annual Conference. Attendees register with high expectations that the opportunity to learn about the latest technology and market trends. They also know that the Conference agenda will afford ample time to network with fellow industry personnel and to participate in the exhibition held at the conclusion of Wednesday's program. The setting is conducive to meeting new people and enjoying the camaraderie. 2018's Conference did not disappoint.

The IMDA leaders fill a 2 ½ day agenda to the brim. With a golf outing and banquet on Tuesday, membership meeting, general session awards luncheon, breakout sessions, and a sponsor hosted hospitality exhibition on Wednesday, and a general session on Thursday followed by a luncheon, one can conclude that the committee surely provided opportunities for self-improvement at an extremely affordable cost. It's no wonder that we book our hotel to capacity, pack the meeting rooms, and continue to grow the exhibition. It is true that we are a mature industry, but you would not know it by the introduction of new technology for both decorating and canmaking. Just by looking at the award winning Excellence in Quality submissions, featured in this issue, you can see how advanced and innovative our industry continues to be. Mature? Yes. Resourceful? Certainly! Innovative? Absolutely!!

This year's Conference was indeed a showcase of all good things the industry has to offer. It also set the stage for a future agenda that will include more sessions on can manufacturing while maintaining our decorating topics as plan for our content for the 2019 Conference.

Our Association includes individuals who Adapt, Adopt, and Execute for the betterment of the industry and society in general. That was surely on display this past May. Thank you to all who participated!

ASSOCIATION REPORT

2018 OFFICERS & DIRECTORS

President

Dr. William Hoyle, Hoyle Consulting*

Vice President

Renee Schouten, INX International Ink*

Secretary Treasurer

OPEN

Executive Director

Michael Masenior*

Directors

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John Clark, Heraeus Noblelight America

Rick Clendenning, INX International Ink Co*

Sam Courtney, VN Graphics

Tim Duca, Ball Corp

Craig Eberts, Honorary Member*

Paul Fennessy, Crown Cork & Seal

Joe Finan, INX International Ink Co.*

Mark Finch, Silgan Containers

John Friedman, Northern Container

Eugene Furey, Honorary Member*

William Graue, Honorary Member

Nick Hammer, Ardagh Group

Janelle Harris, Past President*

Jim Hogan, Ardagh Group

Kyle Hurla, INX International Ink Co.

Art Hurley, Silgan Closures*

Jack Knight, INX International Ink Co.*

Kenneth Matyska, Honorary Member*

Ted Nevins, Ball Metalpack

Mark Novotny, Nordson Corp

Neal Santangelo, Urethane Roller Specialists*

Allan Sayers, Sayers Publishing

Phil Shaughnessy, Crown Cork & Seal

Gary Silke, Honorary Member

Steve Steerman, Ball Corp

Mark Von Bokel, SGS International

Henry Watson IV, Watson Standard

John Wise, Metal Container

Michael Yavorski, Valspar Corporation*

* Executive Committee Member



IMDA COMMITTEES & CHAIRS

Conference Chair

Renee Schouten

Scholarship Golf Chair

Kyle Hurla

Newsletter Chair

Michael Masenior

Website Chair

Renee Schouten

Social Media Chair

Michael Masenior

Membership Chair

Mark Novotny

Decorators of Year Chair

Michael Masenior

Scholarship Chair

Gene Furey

Excellence in Quality Chair

Michael Masenior

Technical Resource Chair

Steve Steerman

Nominating Chair

Mike Yavorski

THE IMDA HAS MOVED

Please note that we have a new mailing address for postal mail:

IMDA

P.O. Box 992

Sykesville, MD 21784 USA

Physical Address:

1210 Creekside Court

Sykesville, MD 21784 USA

Telephone remains 410-252-5205

Email remains info@metaldecorators.org



DecoDates

October 29-31, 2018

Asia Can Tech
Bangkok, Thailand
www.asia-can.com

December 4-6, 2018

ChinaCoat 2018
Guangzhou, China
www.chinacoat.net

March 19-20, 2019

Radtech UV + EB Technology
Redondo Beach, CA
www.radtech.org

April 5-8, 2019

NAPIM Convention
Coral Gables, FL
www.napim.org

May 21, 2019

IMDA Scholarship Golf Outing
Hilton Oak Brook Hills Resort
Oak Brook, IL USA
Tel: 410-252-5205
E: info@metaldecorators.org

May 22-23, 2019

IMDA Annual Conference
Hilton Oak Brook Hills Resort
Oak Brook, IL USA
Tel: 410 252 5205
E: info@metaldecorators.org
metaldecorators.org

MEMBERSHIP STATISTICS

(as of May 2018)

MEMBERS	542
HONORARY	26
PRIVILEGED	18
TOTAL	586
COUNTRIES	25

PACKAGING IN CANS? DESIGNING FOR CANS? DECORATING ON CANS?

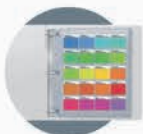
Get to market quicker with the INX Color Catalog

The INX 2-Piece Metal Color Catalog is the industry's only true color standard for 2-piece can design.

The Advanced Color Communication tool contains over 600 removable color swatches printed on metal, not paper. Brand owners, designers, and metal decorators have a true representation of color and can select, communicate, and approve color efficiently, reducing lead times and getting to market quicker.



Complete Color Communication Package



Metal Switch Catalog



Digital Color Library

Learn more by visiting inxcolorperfection.com



ANNUAL AWARDS



2018 IMDA MEMBER OF THE YEAR

John Clark

2018 DECORATORS OF THE YEAR

Each year we honor those individuals whose performance is exemplary and appreciated by their respective companies. These individuals are nominated for inclusion into the roster of those who the IMDA deems worthy of being selected a Decorator of the Year. We are proud to have presented the following individuals with their awards during the Conference in May.



Chris Evans
VN Graphics
Redmond, WA



Nick Imhoff
Ball Corporation
Canton, OH



Kelvin Gueits
J.L.Clark
Lancaster, PA



Denny Sims
The Ohio Art Co
Bryan, OH



Willy Smith
Ball Corporation
Broomfield, CO



Donald Tonelli
G3 Enterprises
Modesto, CA

2018 SCHOLARSHIPS

We received 26 requests for applications and 21 students submitted applications and essays. In order to fairly select the winners, copies of the essays were sent to each of the judges, seven past presidents, with all identifying information removed. Each judge was asked to rank the essays in order of merit. This approach is totally equitable in that it is blind to the members and candidates. We announced the recipients during our Awards Luncheon held at our recent conference.



Chairman Gene Furey
announces the recipients.

The recipients are as follows:

First Place:	KyLea Hurla	\$2,000.00	University of Cincinnati
Second Place:	Morgan Knight	\$2,000.00	Ivy Tech Community College
Third Place:	William Hoyle III	\$1,000.00	Iowa Central Community College
Fourth Place:	Adam Clark	\$1,000.00	University of Colorado Boulder
Fifth Place:	Audrey Chesney	\$500.00	Gettysburg College
Sixth Place:	Grace Krueger	\$500.00	Carroll University
Seventh Place:	Carys Obertone	\$500.00	Emory University



Dear IMDA,

Thank you for awarding the \$500.00 Scholarship. I very much appreciate the tuition assistance. I am looking forward to my fall semester, getting back to my studies in physical therapy, and my sophomore year tennis season. Thanks again to the committee for your thoughtful consideration.

Sincerely,

Grace Krueger



Dear International Metal Decorators Association, I am honored to be a recipient of the International Metal Decorators Association Scholarship for the 2018/2019 school year. My education is very important to me and this scholarship will help me achieve my goal of becoming a pharmacist.

Thank you again for your generosity,

William (Will) Hoyle III

MEMBERSHIP



The following new members were voted into the International Metal Decorators Association in May, 2018.

We congratulate you for being our newest members and we hope that you have a long and satisfying tenure with our Association. Please reach out to any Officer or Board Member if you need assistance with your membership.

First	Last	Company	First	Last	Company
Greg	Adams	INX International Ink Co	Matthew	Konkle	Durr Systems Inc
Adekola	Adeyemu	GZ Industries Limited	Chris	Kraft	Ball Corporation
David	Albertson	J.L. Clark	Scott	LaCrosse	J.L. Clark
Sam	Anderson	Silgan Containers	Steve	Lowe	Durr Systems Inc
Charles	Billstrand	INX International Ink Co	Steve A.	Mandeville	Tecnocap LLC
Scott	Brandon	Applied Vision Co.	Steven	Markovich	Sherwin-Williams Company
Andy	Brannon	American Ultraviolet	Masahiko	Matsui	Matsui Int'l Company
Scott	Brizendine	G3 Enterprises	Justin	Mercer	PPG
Michael	Bubenheim	Watson Standard	Sarah I.	Merrill	Ball Corporation
Gregory	Budnick	Ardagh Group	Brian	Miller	Select Metal Litho
Raymond	Burnthorn	Xrite	Robert	Morris	J.L. Clark
Cody	Burton	INX International Ink Co	David	Palmieri	CGS USA
Timothy E.	Cantrell	Dantex	Nathan	Perez	Crown Cork & Seal
Daniel	Coffey	Sensory Analytics	Alexandra D.	Pointon	Watson Standard
Justin T.	Connolly	Coral Chemical	Jerry	Pranga	Sherwin-Williams Company
Zachary	Dickson	JM Travis Ltd	Blaine	Robinson	Environmental Svs & Tech
Stephen	Donohue	Miltec UV	Taylor	Robinson	Environmental Svs & Tech
Lori	Drabek	J.L. Clark	John	Rosen	Sun Chemical
James	Dulong	Pad/Inkspec	Peter F.	Schrof	Independent Can Company
Bryan	Fathauer	UTC Overseas	Josef	Schutzenberger	SPGPrints Austria
William	Gislason	Phototype	Allison	Seale	Sensory Analytics
Mark	Gojkovich	Crown Cork & Seal	Jerry	Shaffer	Applied Vision Co.
James	Griffin	Durr Systems Inc	Willy	Smith	Ball Corporation
Darren	Haines	Environmental Svs & Tech	Robert	Thilmany	INX International Ink Co
Edward J.	Harhager	Ball Corporation	Joe A.	Velazquez	Phototype
Terence	Hillery	Goya de Puerto Rico	Gerald	Whittaker	Coral Chemical Company
John	Hrdlick	INX International Ink Co	Michael A.	Zolovick	Sumitomo Bakelite NA
Michael P.	Kelly	Allied Photo Chemical			
Steve	Klostermeyer	Catalytic Products Int'l			
Nathan	Koch	J.L. Clark			

Conference Presentations

We posted this year's conference presentations on our website. You can find them in the Member Section. Need assistance getting access? E:info@metaldecorators.org for help; we will gladly assist.

On Line Payments and Registrations

We have begun the process of setting up the system where we will be offering the opportunity to pay your dues and register for future Conferences and IMDA activities. Our goal is to have the implementation done for 2019's business. We will keep you informed of our progress and let you know when the system is operational.

Future Newsletter Publications

Request for Articles

Following are the dates of future publications and featured topics.

Fourth Quarter 2018 (copy due November 15, 2018)

Topics: New Equipment and Product reviews

First Quarter 2019 (copy due January 30, 2019)

Topics: Substrates

Coatings and Materials

Conference Preliminary Agenda

Second Quarter 2019 (copy due March 30, 2019)

Topics: Pre-Press

Quality and Vision Systems

All issues will include Technology papers.

Please submit by the respective due dates.

Send your submissions to info@metaldecorators.org or call 410-252-5205 for more information

Mark your calendars, inform your PR staff, marketing departments and others key to providing valuable information for our industry.



How Deep Can You Cure?

**Vivid Color HD
Technology**

UV Curing Systems

Your Solution for Curing DENSE INKS



2018

Excellence in Quality Award Winners

Aerosol & Bottles



Best of Category
Arm & Hammer
Foot Powder
Montebello Packaging
Canada

Award of Excellence
HOP Beer Bottle
Montebello Packaging
Canada

Closures & Ends



Best of Category
Nasza Spizarnia
Shetron Ltd.
India

Award of Excellence
Captain Morgan
Industrial Litografica
Mexico

Craft Cans



Best of Category
Terrapin Chopsecutioner
Ball Corporation
Broomfield, CO USA

Award of Excellence
Zo Session IPA
Crown Packaging PLC
United Kingdom

Digital Printing



Best of Category
State of Michigan Tray
The Ohio Art Company
Bryan, OH USA

Award of Excellence
Tennessee Whiskey Tray
The Ohio Art Company
Bryan, OH USA

Food & General Line



Best of Category
Flahey's Future
NCI Packaging
New Zealand

Award of Excellence
MAP Medium Roast
Shetron Ltd.
India



2018

Excellence in Quality Award Winners

Two-Piece Beverage



Best of Category
Coca-Cola Woodstock
 Crown Packaging PLC
 United Kingdom

Award of Excellence
Monster Vanilla Espresso
 Ardagh Group
 Chicago, IL USA



Miscellaneous



Best of Category
Pirates of the Caribbean
 The Ohio Art Company
 Bryan, OH USA

Award of Excellence
Ducks Unlimited Retriever
 Independent Can Co.
 Belcamp, MD USA



Specialty & Fancy Cans



Best of Category
Dunkin' Donuts
 Crown Cork & Seal
 Aurora, IL USA

Award of Excellence
La Petit Bastille
 Crown Cork & Seal
 Aurora, IL USA



Grand Award

Dunkin' Donuts
 Crown Cork & Seal
 Aurora, IL USA

Scenes from Our Annual Conference



Your IMDA Leadership Team at May's Board Meeting



Golf Outing Chairs, Art Hurley and Kyle Hurla



The Scholarship Golf Outing Banquet is always well attended.



Enjoying the networking and camaraderie the Banquet offers.



IMDA President Bill Hoyle and VP Renee Schouten

Scenes from Our Annual Conference



Executive Director Michael Masenior presents awards.



Ball Corp's Steve Steerman and Tim Duca receive their quality award From President Bill Hoyle.



Scholarship Chair Gene Furey announces the recipients.



Michael Masenior and Bill Hoyle recognize the many contributions and dedication of Rick Clendenning as he nears his retirement.



The General Session was packed with industry members and the presentations were enlightening. For more photos visit metaldecorators.org There are over 200 photos posted in the Member Section.

METAL DECORATING & CONTROLLING YOUR VOC EMISSIONS

While attending the recent IMDA annual meeting, one of the most impressive sessions was the Awards of Excellence handed out to the best coaters. Seeing the creative, intricate, colorful designs of the winners, it was clear that the application of eye catching designs is an important differentiator in this marketplace. These award-winning designs, as well as the basic metal printing both require the application of solvent based surface coatings. These coatings contain volatile organic compounds (VOCs) such as ketones, xylenes, hexane and ethers which when evaporated during the coating process, react in the atmosphere to form ozone which can cause adverse effects on human health.

Surface coating of cans is one of the largest industrial operations identified as sources of VOCs and as such is regulated by U.S. EPA under the Clean Air Act (CAA), 40 CFR part 63, subpart KKKK. The U.S. EPA final rule includes standards for hazardous air pollutants (HAP), as well as monitoring, performance testing, recordkeeping, and reporting requirements related to the standards. The standards require these operations to meet HAP emission standards reflecting the application of the maximum achievable control technology (MACT).

A metal can surface coating facility is any facility that coats metal cans or ends (including decorative tins) or metal crowns or closures during any stage of the can manufacturing process. It includes the coating of metal sheets for subsequent processing into cans or can parts. The coating of metal coils for cans or can parts and the coating of pails and drums are included under separate source categories in the NESHAP, 40 CFR part 63, subparts SSSS and MMMM, respectively. Four subcategories are included in the metal can surface coating category: one- and two-piece D&I (drawn and ironed) can body coating, sheet coating, three-piece can body assembly coating, and end coating.

The major emission sources in metal can surface coating operations are:

- Coating application lines
- Flash-off areas
- Drying ovens
- Curing ovens

For both new and existing sources, technologies available to achieve the emission standards include:

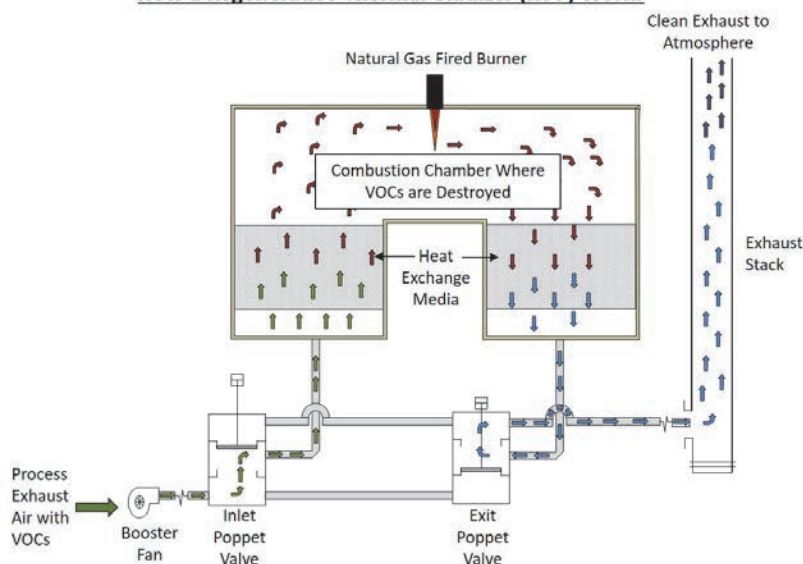
- Applying materials (coatings and thinners) that meet the emission limit, either individually or collectively,
- Using a capture system and add-on control equipment to meet the emission limit, or
- Using a combination of both approaches.

The most typical add-on control equipment is an oxidation solution to eliminate VOCs emitted from metal decorating applications. Oxidation of VOCs and other air pollutants works by simply oxidizing the air pollutants with oxygen and heat. In this environment the VOCs are converted to harmless inert byproducts like CO₂, water vapor (H₂O), and usable heat. These harmless by-products are released to the atmosphere or used within primary or secondary energy recovery techniques to further lower the operational costs.



Regenerative thermal oxidizers (RTOs) are recognized as the most effective and cost-efficient way to destroy VOCs from these processes. Each Regenerative Thermal Oxidizer (RTO) system incorporates specialized ceramic media in the regenerator (heat transfer bed) to allow thermal efficiencies up to 97%. RTOs operate by preheating the process air as it passes upward through the first ceramic heat exchange media. This pre-heated air then exits the heat exchange media and enters a combustion chamber where it is heated to the setpoint temperature and oxidization of the VOC's is completed. Hot, clean air is then passed downward through the second ceramic heat exchange media bed where it is cooled. This regeneration of the heat exchanger allows for much higher thermal efficiencies than traditional recuperative style heat exchangers.

How a Regenerative Thermal Oxidizer (RTO) Works



Additional control technology such as concentrator systems can be applied to processes generating large volumes of low concentration VOC-laden air prior to sending the process air to the oxidizer such as inside spray machines and flash-off areas. The exhaust air is converted to a smaller volume of highly concentrated gas, resulting in a smaller, less costly oxidizer. Concentrators can also be considered as a method to expand capacity to an existing oxidizer.

Established in 1969, CPI is entering its 50th year as a leading supplier of air pollution control solutions. CPI is at the forefront in providing industries including metal decorating and packaging companies with solutions to their air pollution control needs.

Today, CPI partners with its customers as a trusted resource in resolving the most complex air pollution and energy conservation problems. We provide our customers with innovative and cost-conscious solutions to their most complex VOC, NOx, and Odor pollution challenges. Our equipment is also at work meeting energy conservation strategies and minimizing greenhouse gas (GHG) emissions.

Article contributed by:

Stephen H. Klostermeyer

VP Sales & Marketing

Catalytic Products International

980 Ensell Road

Lake Zurich, IL 60047

847-438-0334

www.cpilink.com



Fingerprinting Your Presses

By Jack Knight, INX International Ink Co.

In this article we will look at how to identify your press's capabilities. This is done through 'Fingerprinting Your Press'. As each of us has our own unique fingerprint so does your press, as many printers have found out the hard way! It is common for printers to carry 2 sets of plates for the same job depending on what press they will run. This is especially true for the printers of FM screening also known as Hexachrome. Fingerprinting is the most important step in color management and the beginning of the color management work flow process. In order to capture the correct data you will need to first make sure that your press is up to the test. This means all systems go!

What are the systems?

- Press is running at its optimum performance. That means everything lubed up and running like a clock!
 - ▶ Rollers are set correct
 - Remember to check the durometer! This is the biggest effect on ink and water transferring through the system...
 - ▶ Correct Blankets
 - Improper blankets will affect dot gain!
 - ▶ Fountain solution is mixed to the correct specification
 - Remember to keep the alcohol at the bare minimum. Yes, more makes running the press easier, (Makes water wetter) but has a negative impact on the ink performance. Try to live with less than 10%. For you UV printers, 5%.
 - ▶ Pressures are set correctly
 - Get out the feeler gauges and set to the manufacturer's specification.
 - ▶ Ink set is to correct standard 4/C, 6/C, 8/C
 - Be sure to work with an ink manufacturer with a proven performance record that supplies COA's (Certificate of Analysis) on all batches to confirm the inks are within specification to the standard.
- Make sure the test plate is correct for the information you are looking to capture. The picture above is from a recent fingerprint trial I attended in Mexico. These guys are good!.

You will need onsite prepress professionals to translate the data. Once you have all the data collected you will know what your presses fingerprint is for dot gain, trap, ink lay, and cure for you UV printers.

This is the information your prepress department needs to build your presses profile for color separations and plate making. Equipped with this data, you can implement the precise compensating color curves into the RIP program to achieve color balance (consistency in dot gain between all four colors, or six, or eight depending on our capabilities), and sharper print due to the adjusted dot gain, and therefore increased image detail. This is especially true in the mid-tone-to-shadow areas. In addition to higher quality printing, an additional benefit is faster startups because the press operators are not forced to make ink fountain adjustments during make-readies in an effort to overcome problems with color due to dot-gain.

A special thanks to my friends Julio and Francisco at Imesa in Mexico for inspiring this article.

Remember, "A metal decorated container has a quality image that sells product on the store shelves. "If you have a problem or process that you would like to discuss please feel free to contact me anytime via email at jack.knight@inxintl.com. 200+ years and the Can is still King! Let's work together to keep it that way..."



Coating Terminology

COEFFICIENT OF FRICTION: Measure of the resistance to sliding of one surface in contact with another surface.

COHESION: Propensity of a single substance to adhere to itself; the internal attraction of molecular particles toward each other; the ability to resist partition from the mass; internal adhesion; the force holding a single substance together.

DISPERSION: Systems where some components are suspended in the liquid as discrete particles.

FILM WEIGHT: The weight of dried coating on a given surface area. Related to film thickness by the density of the coating solids. Common units are milligrams per square inch in the U. S., grams per square meter elsewhere.

LEVELING: The tendency of a coating liquid to flow enough to form a smooth uniform surface eliminating high and low film thickness areas resulting from the application process.

MILEAGE: Refers to the amount of product that can be coated with a given volume of paint. Since film weight is determined by a weight per area or weight per can, the mileage is determined using the weight percent solids in the paint.

PIGMENT BINDER RATIO (P/B): The weight of pigment divided by the weight of binder.

PVC: Pigment Volume Concentration. CPVC is the Critical Pigment Volume Concentration, the maximum volume of pigment that can be wetted by the polymer (binder).

RHEOLOGY: Science of the deformation and flow of matter.

VISCOSITY: (Body, Consistency) Resistance of a liquid to flow. Common units are poise (centipoise) and stokes (centistokes). Poise and stokes are related by the density of the liquid. From a practical standpoint, viscosity of coatings is usually measured by the time in seconds for the coating to flow out of a cup with a hole (Zahn, Ford, etc.).

WETTING: A characteristic of a liquid on a solid surface. If a drop of liquid spontaneously spreads on a surface it is said to wet the surface. The force involved is surface tension. A low surface tension liquid wets a higher energy surface.

RESOURCE WEBSITES

Resource Guide to Packaging, Regulatory and Sustainability Websites

Regulatory & Compliance:

Government:

Federal:

FDA	US Food & Drug Administration	www.fda.gov/food
NIOSH	US National Institute of Occupational Safety & Health	www.cdc.gov/NIOSH
NIH	US National Institute of Health	www.nih.gov
Health Canada	Canada Department of Food Safety: Regulations eng.php	www.hc-sc.gc.ca/fn-an/securit/index-eng.php
Canada Department of Food Safety: Food Inspection	http://www.inspection.gc.ca/eng/1297964599443/1297965645317	

State & Country

OEHHACalifornia Office of Health Hazard Assessment	www.oehha.ca.gov
Prop 65California Office of Health Hazard Assessment	www.oehha.org/prop65

Trade Associations

NAMPA	North American Metal Packaging Alliance	www.metal-pack.org
CMI	Can Manufacturers Institute	www.cancentral.com
SPI	the Society of Plastics Industry	www.plasticsindustry.org/
PIC	International Print & Paint Council	www.ippic.org/
ACA	American Coatings Association	www.paint.org/
WPCIA	World Paint & Coatings Industry Association	www.wpcia.org/
GMA	Grocery Manufacturers Association	www.gmaonline.org
IFC	Infant Formula Council	www.cga.ct.gov/
Cans: The Sustainable & Smart Solution		www.smartcansolutions.com
The Aluminum Association		www.aluminum.org
American Beverage Association		www.ameribev.org
Steel Recycling Institute		www.recycle-steel.org
Sustainable Packaging Coalition		www.sustainablepackaging.org
American Coatings Association		www.paint.org
World Paint & Coatings Industry Association		www.wpcia.org
<i>This site includes other association websites from around the globe</i>		
EMPAC The European Organization for Packaging and the Environment		www.europen-packaging.eu
<i>This site has members in the metal packaging industry</i>		

European Commission REACH http://ec.europa.eu/enterprise/sectors/chemicals/reach/index_en.htm

European Commission Understanding Reach <http://echa.europa.eu/regulations/reach/understanding-reach>

AIR POLLUTION CONTROL

Anguil Environmental Systems

8855 N. 55th Street
Milwaukee, WI 53211 USA
Tel: +1 414-365-6400
www.anguil.com

Babcock & Wilcox Megtec Systems

830 Prosper Street
De Pere, WI 54115
Tel: 920-337-1505
www.megtec.com

Catalytic Products International

980 Ensell Road
Lake Zurich, IL 60047
847-438-0334
www.cpilink.com

Environmental Services & Technologies

4941 41st Street
Moline, IL 61265 USA
Tel: 309-762-9551
www.envsrv.com

Epcon Industrial Systems

PO Box 7060
The Woodlands, TX 77387
Tel: 936-273-3300
epcon@epconlp.com

Pro-Environmental, Inc

10134 6th Street, Suite K
Rancho Cucamonga, CA 91730
Tel: 909-898-3010
www.pro-env.com

ANILOX SYSTEMS

Art International

16745 Cagan Crossings Ste 102B-69
Clermont, FL 34714
Tel: +1 831-295-2969
anilox@me.com

John M Travis Ltd

27031 Trinity Heights
San Antonio, TX 78261
Tel: 740-407-0685
www.travisltd.com

BLANKETS

DYC Supply

5740 Bay Side Road
Virginia Beach, VA 23455 USA
Tel: 800-446-8240
www.d-y-c.com

Package Print Technology

1831 Niagara Street
Buffalo, NY 14207 USA
Tel: 800-382-8851
www.packageprinttech.com

Premier Blankets

860 East State Parkway
Schaumburg, IL 60173
Tel: 847-310-8140
www.premierblanket.com

BODYMAKER Spare Parts

Beckon Worldwide Inc

455 E. Clinton Place
St. Louis, MO 63122 USA
Tel: +1 314-965-0755
www.beckonworldwide.com

CHEMICALS & MATERIALS

Coral Chemical Company (see Lubricants & Cleaners)

Grace Davison Materials & Packaging

7500 Grace Drive
Columbia, MD 21044 USA
Tel: +1 410-531-4000
bryan.t.pugh@grace.com

Henkel Corporation

32100 Stephenson Hwy
Madison Heights, MI 48071
Tel: +1 248-577-2243
www.henkelna.com

COATINGS

AkzoNobel Packaging Coatings

16651 Sprague Road
Strongsville, OH 44136 USA
Tel: +1 440-297-5589
www.akzonobel.com

PPG Industries

500 TechneCenter Drive
Milford, OH 45150
Tel: +1 513-576-3100
www.packagingcoatings.com

Prime Coatings

1002 Hickory Street
Pewaukee, WI 53072 USA
Tel: +1 262-691-1930
www.primecoatings.net

Valspar Corporation

2001 Tracy Street
Pittsburgh, PA 15233 USA
Tel: +1 412-766-9300
packaging@valspar.com

Watson Standard

616 Hite Road
Harwick, PA 15049 USA
Tel: +1 724-275-1000
www.watsonstandard.com

COATING APPLICATION SYSTEMS

Nordson Corporation

300 Nordson Drive
Amherst, OH 44001
Tel: +1 440-985-4000
www.nordson.com/container

COATING, PRESS 2 PIECE ROLLERS

Finzer Roller, Inc

129 Rawls Road
Des Plaines, IL 60018 USA
www.finzerroller.com

Pacesetter Graphic Service Corp.

2672 Hickory Grove Road
Acworth, GA 30101
www.pacesetterusa.com

Rollercoat Industries

10135 Hwy 62 East
Tampa, FL 33610 USA
Tel: 800-248-4351
www.rollercoat.com

Urethane Roller Specialists

100 S. Central Ave
PO Box 566
Eureka, MO 63025 USA
Tel: 800-367-1136
www.urethanageroller.com

CONSULTANTS

Beckon Worldwide, see Bodymaker
spare parts

Environmental Services & Technology
see Air Pollution Control

DAMPENING SYSTEMS

Epic Products International

2801 E. Randol Mill Road
Arlington, TX 76011 USA
www.epicproducts.com

RESOURCE GUIDE

FLAT SHEET PRESSES

Fuji Kikai Kogyo Co, Ltd.

44-2-10 Hachihonmatsuhigashi
Higashihiroshima, 739-0146 Japan
Tel: +81-82-428-2455
www.fujikikai.co.jp

KBA-MetalPrint

Wernerstr. 119-129
D-70435 Stuttgart, Germany
Tel: +49 711-69971-0
www.kba-metalprint.de

Crabtree of Gateshead

Trading Estate, Gateshead
Tyne & Wear, NE11 OSU UK
Tel: +44-191-487-5071
www.crabpress.co.uk

INDUCTION HEATING

Ajax Tocco Magnethermic

1745 Overland Avenue N.E.
Warren, OH 44483 USA
Tel: 330-372-8552
www.ajaxtocco.com

INKS

Chromatic Technologies, Inc

1096 Elkton Drive, Suite 600
Colorado Springs, CO 80907 USA
Tel: +1 719-592-1557
www.ctiinks.com

INX International Ink Co

10820 Withers Cove Park Drive
Charlotte, NC 28278 USA
Tel: +1 704-372-2080
www.inxinternational.com

Sun Chemical

135 W. Lake Street
Northlake, IL 60164
Tel: 708-236-3798
www.sunchemical.com

LUBRICANTS & CLEANERS

Chemtool Incorporated

8200 Ridgely Road
Crystal Lake, IL 60039 USA
Tel: +1 815-459-1250
www.chemtool.com

Coral Chemical Company

1915 Industrial Ave.
Zion, IL 60099

1-847-246-6666

www.coral.com

JAX Inc

W134 N5373 Campbell Drive
Menomonee Falls, WI 53051 USA
Tel: +1 262-781-8850
www.jax.com

MAGNETIC CYLINDERS

Bunting Magnetics

500 S. Spencer Road
Newton, KS 67114 USA
Tel: 316-284-2020
www.buntingmagnetics.com

T.D. Wright Inc.

292 Walnut Street
St. Paul, MN 55102 USA
Tel: +1 651-227-1302
www.magneticcylinders.com

MAINTENANCE

Amro Supply Inc

140-11 Keyland Court
Bohemia, NY 11716 USA
Tel: +1 631-419-1203
www.amro-supply.com

METAL SHEET DETECTORS

Prime Controls

4528 Gateway Circle
Dayton, OH 45440 USA
Tel: +1 937-435-8659
www.primecontrols.com

OVENS

Ajax TOCCO Magnethermic

1745 Overland Avenue N.E.
Warren, OH 44483
Tel: 330-372-8552
asmetana@ajaxtocco.com

Arc Pacific Limited

1005 Richards Road, Ste. P
Hartland, WI 53029
Tel: 262-367-5096
www.arcpacific.com

OVEN CLEANING

Ace Cleaning Experts

4922 Chase Rd. SE
Carrollton, OH 44615 USA
Tel: 330-283-9464
chuck@acecleaningexperts.com

OVEN PARTS & SERVICES

Environmental Services & Technologies

4941 41st Street
Moline, IL 61265

Tel: 309-762-9551

www.envsrv.com

Babcock & Wilcox Megtec Systems

830 Prosper Street
De Pere, WI 54115
Tel: 920-337-1505
www.megtec.com

Perm Machine & Tool Co

9660 Industrial Drive
St. John, IN 46373 USA
Tel: +1 219-365-5000
www.permmachine.com

PREPRESS SERVICES

Anderson Vreeland

15348 Rt 127 N.E. Bryan, OH 43506 USA
Tel: 866-282-7697
www.andersonvreeland.com

Carey Color, Inc (Chicago Div.)

1160 Pierson Drive Suite 102
Batavia, IL 60510
Tel: 630-858-6901
bbeaver@careyweb.com

Cocks Clark Graphics, Inc

2200 Arapahoe Street
Denver, CO 80205 USA
Tel: 1-303-919-3920
www.cocksclark.com

Hell Direct Laser Engraving

2185 Highway 292
Inman, SC 29349
864-472-0334
www.helldirectlasers.com

Meridian Arts & Graphics

16 Belgrade Street
Youngstown, OH 44505
Tel: 330-759-9099
twebb@meridianarts.com

SGS International

626 W. Main Street Suite 500
Louisville, KY 40202 USA
Tel: 502-637-5443
www.sgsintl.com

SS Studios

1023 Commerce Avenue
Union, NJ 07083
Tel: 908-686-5536
www.sstudios.com

VN Graphics

14640 NE 91st Street
Redmond, WA 98052 USA
Tel: 425-454-5165
www.vngraphics.com

Youngstown Pre-Press Inc

3691 LeHaps Road
Youngstown, OH 44515
Tel: 330-793-3690
gdoibrindt@ameritech.net

PRESS/COATER CYLINDER REPAIR/REPLACEMENT

Beckon Worldwide, see Bodymaker
spare parts

Brodie System

1539 West Elizabeth Ave
Linden, NJ 07036 USA
Tel: 908-862-8620
www.brodiesystem.com

QUALITY TESTING & VISUAL INSPECTION EQUIPMENT

Acu-Gage Systems

12 Park Avenue
Hudson, NH 03051
Tel: 603-622-2481
www.acu-gage.com

Advanced Color Technologies

200 Capri Court
Greenville, SC 29609 USA
Tel: 864-370-2990
www.measurecolor.com

Applied Vision Corporation

2020 Vision Lane
Akron, OH 44223 USA
Tel: +1 330-926-2222
www.appliedvision.com

CMC-KUHNKE, Inc.

1060 Broadway
Albany, NY 12204 USA
Tel: +1 518-694-3310
www.cmc-kuhnke.com

grafikAmerica

1285 West King Street
York, PA 17404 USA
Tel: 1-717-843-318
www.grafikontrol.it

ISRA Vision

4470 Peachtree Lakes Drive
Duluth, GA 30096 USA
Tel: +1 770-449-7776
www.isravision.com

Intelligence Sensing, Inc

46828 Butternut Road
Oberlin, OH 44074 USA
Tel: +1 440-774-4411
www.intelsen.com

Pressco Technology, Inc

29200 Aurora Road
Cleveland, OH 44139 USA
Tel: +1 440-498-2600
www.pressco.com

Sencon

6385 W. 74th Street
Bedford Park, IL 60638 USA
Tel: +1 708-496-3100
www.sencon.com

Sensory Analytics

4413C West Market Street
Greensboro, NC 27407 USA
Tel: +1 336-315-6090
www.sensoryanalytics.com

REPAIR (SPARE) PARTS

Beckon Worldwide, see
Bodymaker Spare Parts

Cleveland Folder Service

4330 Lee Ave, Gurnee, IL 60031 USA
Tel: +1 847-782-5850
www.clevelandfolder.com

REBUILDS

Integrated Packaging Solutions
4010 Youngfield Street
Wheat Ridge, CO 80033
Tel: 303-426-4881
Www.intpacsol.com

2 PIECE DECORATOR MACHINERY

Belvac Production Machinery

237 Graves Mills Road
Lynchburg, VA 24502
Tel: +1 434-832-6300
www.belvac.com

Intercan Group Ltd

38 Burners Lane
Kiln Farm, Milton Keynes
MK11 3HB United Kingdom
Tel: +44 (0) 1908 270041
www.intercan.co.uk

Stolle Machinery

6949 South Potomac Street
Centennial, CO 80112
Tel: +1 303-708-9044
www.stollemachinery.com

USED EQUIPMENT DEALERS

Perm Machine & Tool see oven
parts & services

UV EQUIPMENT

American Ultraviolet Co / Aetek UV Systems

1229 Romeoville, IL 60446 USA
Tel: +1 630-226-4200 ext. 6000
www.americanultraviolet.com

GEW, Inc.

Unit X, 11941 Abbey Road
North Royalton, OH 44133 USA
Tel: +1 440-237-4439
www.gewuv.com

Heraeus Noblelight America

910 Clopper Road
Gaithersburg, MD 20878
Tel: +1 301-527-2660
www.heraeus.com.

IST METZ GmbH

Lauterstrabe 14-18
D-72622 Nürtingen, Germany
www.ist-uv.com

Miltec UV

146 Log Canoe Circle
Stevensville, MD 21666
Tel: 410-604-2900
www.miltec.com

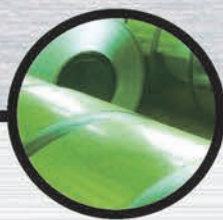
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2019

DECORATORS ASSOC.

IMDA ANNUAL CONFERENCE

HILTON OAK BROOK HILLS RESORT **MAY 21-23** OAK BROOK, ILLINOIS



INNOVATION & TECHNOLOGY:



PROGRAM FORMAT

TUESDAY, MAY 21

IMDA Memorial Scholarship Golf Outing

WEDNESDAY, MAY 22

General & Technical Sessions and Awards Luncheon

THURSDAY, MAY 23

General Session and Luncheon



Save The Date

WWW.METALDECORATORS.ORG