



POWDER COATING WEEK 2022



POWDER COATING 101
Powder Coating Done Right: The Basics



PROGRAM & REGISTRATION INFORMATION



March 7 - 9, 2022

Renaissance Orlando at SeaWorld® | Orlando, FL

conference.powdercoating.org

GENERAL INFORMATION

LOCATION

Renaissance Orlando at SeaWorld®
6677 Sea Harbor Dr., Orlando, FL 32821

DATES

March 7 - 9, 2022

EVENTS

PCI Custom Coater Forum

March 7

Powder Coating 101 Workshop

March 7 & 8

Tabletop Exhibition

March 7 & 8

Powder Coating Technical Conference

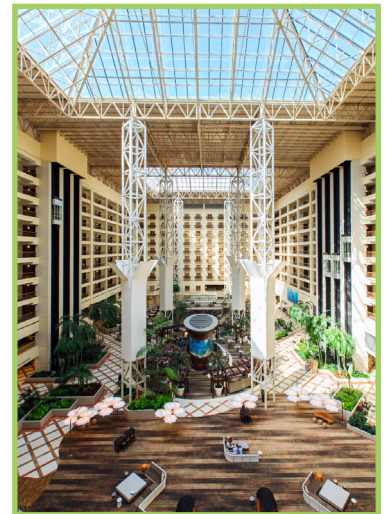
March 8 & 9

HOTEL

PCI has a discounted group rate at the Renaissance Orlando at SeaWorld®. Click the link below to make a reservation directly with the hotel. Note, rooms are limited at this rate so be sure to make your hotel reservation as soon as possible. Please book your room within our hotel block listed below as it enables us to keep costs low for attendees, speakers, and exhibitors.

CLICK HERE to book your room at the Renaissance Orlando at SeaWorld® at our discounted group rate of \$199/night + tax & discounted resort fee.

The hotel cutoff date for reservations at our discounted rate is February 14. Please make your hotel reservations early as we expect our room block to sell out!



REGISTRATION

To register for any of the Powder Coating Week 2022 events, visit **conference.powdercoating.org** and click the **REGISTER** button at the top of the page. See pricing and a complete listing of registration options at the back of this brochure. Combination discounts are available for attendees registering for both the two-day Technical Conference and either the Powder Coating 101 Workshop or the Custom Coater Forum.

Register by January 15 to receive the lowest rates.

ENJOY ORLANDO

One of the world's favorite spots, Orlando offers a wide variety of parks, entertainment complexes, restaurants and world-class shopping. Many attendees will bring family to enjoy Orlando before or after PCI's Powder Coating Week, so we've posted a list of Orlando resources on the event website. Visit **conference.powdercoating.org/venue.html** and scroll down for links to many of Orlando's top attractions.

Programming Updates

This brochure is current as of December 7, 2021. All future updates will be posted to the event website as they occur.

register now at conference.powdercoating.org

SCHEDULE OF EVENTS

MONDAY, MARCH 7

Powder Coating 101 Workshop, Custom Coater Forum, Tabletop Exhibition

7:00 AM	Registration Opens
8:00 – 8:30 AM	Breakfast for Workshop & Forum Attendees
8:30 AM – 4:30 PM	Powder Coating 101 Workshop
8:30 AM – 4:30 PM	PCI Custom Coater Forum
Noon – 1:00 PM	Lunch for Workshop & Forum Attendees
4:30 – 6:30 PM	Powder Coating 2022 Tabletops & Reception

TUESDAY, MARCH 8

Powder Coating 101 Workshop, Powder Coating 2022 Technical Conference & Tabletop Exhibition

7:00 AM	Registration Opens
8:00 – 8:30 AM	Breakfast for Workshop
8:30 – 11:30 AM	Powder Coating 101 Workshop
8:30 – 9:30 AM	Technical Conference Breakfast
9:30 AM – 11:00 AM	Technical Conference Advanced General Session
11:00 AM – 1:00 PM	Lunch in the Powder Coating 2022 Tabletop Exhibition
1:00 – 1:50 PM	Technical Conference Opening Keynote
2:00 – 5:15 PM	Technical Conference Breakout Sessions
5:15 – 7:00 PM	Powder Coating 2022 Tabletops & Reception

WEDNESDAY, MARCH 9

Powder Coating 2022 Technical Conference

7:30 AM	Registration Opens
8:00 – 9:30 AM	Breakfast and Roundtables
9:45 – 11:15 AM	Breakout Sessions
11:15 AM – 12:45 PM	Closing Lunch & Keynote
1:00 PM	Technical Conference Concludes



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POWDER COATING 101 WORKSHOP

POWDER COATING 101

Powder Coating Done Right: The Basics

PCI's Powder Coating 101 is a one-and-a-half day workshop that introduces attendees to powder coating by focusing on materials, application, reclamation, testing & evaluation, quality control, the powder manufacturing process and much more. Attendees will gain knowledge of powder coatings and the powder coating process from industry experts as well as have the opportunity to network with speakers and other attendees during lunch and breaks. They will also benefit by attending the Tabletop Exhibition reception on Monday evening. This PCI training workshop is unbiased, commercial-free, and provides a great foundation for the technical conference that follows later in the week.

TOPICS:

Pretreatment Chemistries, Methods and Equipment
Choosing & Testing the Correct Powder Coating
Processing Powder Materials
Application Methods & Equipment
Powder Booths & Recovery Systems
Introduction to System Design
Dry Off & Curing Ovens
Measurement Equipment

PRESENTERS:

Polly Higgins, *Henkel Corporation*
Marty Korecky, *AkzoNobel Powder Coatings*
Eugene Schneider, *TCI Powder Coatings*
Joe Glassco, *Wagner Industrial Solutions*
Josh Gilmore, *SAMES KREMLIN*
Todd Turnock, *George Koch Sons*
John Sudges, *Midwest Finishing Systems, Inc.*
Jeff Truskowski, *DeFelsko Corporation*



Here are some comments from attendees of previous Powder Coating 101 Workshops:

- Overall class was full of good information. Would recommend to others!
- As the COO of the company, I will be putting a prerequisite that both coating factories in Canada and USA take part in additional training. Great job over these 2 days. I really enjoyed and learned a lot.
- Overall excellent! Thank you!
- Great, engaging presentations!
- Speakers were very knowledgeable and broke things down to make it easier to understand, even for a first-timer.
- One of the best programs I have ever seen. Very knowledgeable and explained in great detail.

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CUSTOM COATER FORUM



PCI's Custom Coater Forum is designed for custom coaters to network with peers and industry leaders, hear presentations on timely issues important to their business, and participate in roundtable discussions that allow for sharing information.

The event includes a breakfast, lunch and Tabletop Exhibition with reception on March 7.

MONDAY, MARCH 7

8:30 – 11:30 AM MORNING SESSION

1. Get a Grip on Your Business: Six Keys to Getting What You Want from Your Company

John King, EOS Implementor

Are you in control of your business or is it in control of you? If you are like most business owners and managers, you are wrestling with 136 issues at the same time. It can be overwhelming, leading many of you to feel stuck, frustrated, and wondering how to change the cycle. During this presentation, you will learn how to get control of your business in order to increase sales, profits, gain more personal freedom, and build better teams and cultures so you finally get what you want from your entrepreneurial company. A set of simple concepts and practical tools to help clarify, simplify and achieve the vision of a company to grow will be included.

2. Differentiating Your Business to Increase Sales

Mike Withers, Axalta Coating Systems

One key element to increasing sales is differentiating your business from the competition. This session will help you learn how to do that! Performance testing and statistical process control will be discussed to demonstrate how your coating line performance proves that your operations stand apart from the rest. We will also learn how to develop work instructions to ensure consistent performance. Lastly, we will review the quality assurance process that tests and documents your process and therefore field performance of the coating system.

3. Your Voice is Powerful

Anne Goyer, Goyer Management International

We often think that contacting our congressman, senators or local authorities is a waste of time, but the truth is that they want and need to hear from you on business concerns. If we never say or do anything about the challenges we face, nothing is going to change. This session will provide quick and easy ways for you to contact leaders effectively and help you see just how powerful your voice can be.

12:30 – 4:30 PM AFTERNOON SESSION

4. Training! More Important Now than Ever

Mike Miller, Webco Mfg.

Training starts the day a new hire begins working for you and is a continuous process to improve the employee and your business. It begins with an organized onboarding process that ensures you cover all the basics with new hires. In addition, proper training helps you build rapport with your teammates and leadership so that you have a solid platform for growth. This presentation will help you learn how to evaluate training effectiveness both internally and externally, as well as how to manage employee strengths and weaknesses while determining how well they understand job responsibilities. Examples of how Webco achieves these goals will be shared.

5. Job Scheduling and Tracking

Bob Byrne, ECI Software Solutions

One of the most important things every job shop needs to do well is schedule their work through the shop. It can be one of the most challenging things custom coaters deal with outside of their finishing operations. This presentation will review common issues custom coaters face daily and will cover some of the technologies that are available to help improve operations such as daily job tracking, lot control, scheduling, job related costs, and shipping documentation.

6. Custom Coater Roundtable Discussion

Always an extremely popular part of our Custom Coater Forum, the roundtable session is where attendees have the opportunity to discuss hot topics with their peers and then share the discussion points with the rest of the group. This interactive learning session always provides great ideas and suggestions for all attendees.

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TECHNICAL CONFERENCE



Powder Coating Technical Conference

PCI's Powder Coating Technical Conference has been offering outstanding education to the industry for the past 32 years! The Technical Conference features general sessions of interest to all powder coaters, breakout sessions covering all aspects of powder coating and a tabletop exhibition, allowing for networking, learning and conversation with exhibitors and other powder coaters. This is your chance to learn about the latest innovations and explore all things powder coating! Read through our keynote and breakout sessions in this brochure and register now!



Here are some comments from attendees of the Powder Coating 2021 Technical Conference:

- All in all, as a post pandemic event, the attendance was above expectations and the overall attitude seems very positive toward the industry beginning to move forward once again. Thanks for the hard work that went into it. Already looking forward to next year.
- It was great to be back at a live event and reconnect with people.
- Overall, a productive conference and well organized. Thank You.
- Very happy with my experience and the overall educational tools I get to use here at work now!
- It was a very good conference. I learned a lot about the powder coating process. I think I will be able to improve our process using the knowledge gathered during this conference.
- Great conference and provided me, a first-time attendee, with a wealth of knowledge. Like other finishing associations, a great group working towards a common goal. Thanks!
- Well-run conference & exhibit even in a challenging business environment.
- Well worth my time.
- The staff and people who participated all did an excellent job. Very good to see new people and happy about the talent growth opportunities. Well organized and well managed.
- Overall, it was great - thank you!

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TECHNICAL CONFERENCE

TUESDAY, MARCH 8

9:30 – 11:00 AM

1. Technical Conference Advanced Panel Discussion

One of the best ways to learn is by listening to the experiences of your peers. In this advanced session that opens our 2022 Technical Conference, we've pulled together a wide array of industry experts who have varying experiences in both powder coating and business. This session will take you on a journey with these powder coaters to discuss important topics that make a company stronger and produce better products.

Rick Gehman, President, *Keystone Coating*

Allison Lee, General Manager & Partner, *Coatings Plus*

Jorge Martinez, Vice-President, *JR Custom Metal Products, Inc.*

Jeff Rochester, President, *Pacific Powder Coating*

Colton Ocker, Manufacturing Engineer Sr., *Greenheck Group*

1:00 – 1:50 PM

2. Opening Keynote

Sustainability in the Powder Coating Industry

Chris Miller, *Arkema*



With the constant barrage of headlines about natural disasters caused by changing climate, the world's attention on sustainability has recently intensified. Our industry is no exception. Multinational coating companies and raw material suppliers have announced ambitious sustainability goals. But how exactly is sustainability defined and how is success in this arena measured? And what are the current problems that need solving and where are the opportunities for profitable growth and scientific progress? This presentation will address these questions by taking a step back and examining what sustainability means to our industry, the tools being developed to track progress, and the innovation challenges we face as we look to the future.

2:00 – 3:30 PM

3. Solving Labor Shortages I

Managing Shortages and Quality of Labor

Loren Smeester, *Nordson Corp.*

Everyone is faced with labor challenges in our industry. Many companies find solutions and continue to add production and throughput, while others struggle to reach 2019 levels. This presentation will focus on the successes that have been achieved by iconic corporate entities in America. We'll review how they have managed the shortage and why they made certain choices. What are the results of their actions, and what challenges will the future bring? This presentation will help attendees learn how to cope with this labor change.

Process Line and Labor Management: Batch Lines

Ryan Allen, *Gema USA Inc.*

Russ Green, *Midwest Finishing Systems, Inc.*

A shortage of labor is top of the list of business challenges today. The question for those businesses operating a manual batch process powder coating line, is how can they sustain their required throughput in the face of a labor shortage trend? This presentation will focus on solutions, for the batch coating process, improving utilization and balance of the labor while striving to improve productivity. All aspects of the batch process, from material movement, to meeting quality standards, and reducing non-value added labor will be discussed.

4. Operational Efficiencies & Process Improvements

Ground - #1 Process Improvement Opportunity

John Cole, *Parker Ionics*

This presentation will focus on the importance of proper grounding to powder coating optimization. Attendees will get a detailed view of why proper earth grounding is critical for safety, and coating uniformity and quality. Suggestions on proper grounding techniques and troubleshooting ground issues will be presented.

Improving Efficiencies OFF the Line

Isaiah Haley, *Magic Rack - Production Plus Corp.*

While every company aims to continually improve line efficiency through racking and hanging solutions, increased line speeds, equipment, and better systems; many do not try to improve line efficiency through better off-line practices. Often, companies lose more efficiency off the line than they do on the line. This presentation will address the key issues creating a loss of efficiency off-line (excessive handling, poor organization, lack of planning) and give creative examples showing how minor improvements can make a big difference.

Improve Process Efficiencies with Silane & Zirconium-based Pretreatment!

Suresh Patel, *BASF-Chemetall*

Next generation silane and zirconium-based advanced pretreatments with operational and cost advantages will be presented as well as a practical explanation of how a finisher can make a change (MOC-Management of Change) to these technologies. These next generation pretreatments are easy to use, environmentally friendly with no regulated heavy metals, phosphate-free, and less prone to biological growth. While they operate at ambient temperature and produce virtually no sludge, they perform equally and/or better than conventional iron and zinc phosphates.

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TECHNICAL CONFERENCE

TUESDAY, MARCH 8

2:00 - 3:30 PM (continued)

5. System Design I

What You Need to Know to Design a Powder Coating System

John Sudges, *Midwest Finishing Systems, Inc.*

Greg Dawson, *Nordson Corporation*

Mike Withers, *Axalta Coating Systems*

Whether you are planning on converting from an existing liquid paint system, or getting into powder coating from scratch, there are essential elements required to ensure your best chance of success. This presentation will review the requirements of a well-designed, high-performing powder coating system, from pretreatment, powder material selection to powder application and recovery, to curing. Representatives of the various equipment and materials disciplines will collaborate to help you make the right choices for a system to best meet your needs.

6. Raw Materials

Impact of Processing Conditions on the Appearance and Properties of High-Performance Topcoat Powder Systems

Connie Przeslawski, *AGC Chemicals Americas*

Coatings formulators can spend a great deal of time and resources screening various additives to remedy defects on cured surface coatings. However, in some cases, the processing parameters prior to spray application may be the cause of significant changes in surface defects for powder coating systems. Hear the results of a comparison of various preparation methods to changes in surface appearance and physical performance for FEVE resin-based powder systems over metallic substrates.

High Performing and Sustainable Thermoplastic Powder Coatings

David Schilpp, *Arkema*

The future of the powder coatings market depends on high-performing and sustainable materials. This talk will introduce a diverse range of high-performing and sustainable thermoplastic solutions for powder coatings. Four different thermoplastic chemistries will be introduced along with case studies. Each of these technologies offer a unique solution for various high performing applications and this presentation will provide specific case studies to portray these unique offerings. Finally, the presentation will include video on sustainable castor farming in India, the beginning of the chain to produce Polyamide 11, to emphasize the importance of sustainably sourced materials for the future of powder coatings.

Ultra-low-Temperature Cure for MDF and Heat-Sensitive Substrates

Cal EzeAgu, *Allnex*

Learn about the advanced chemistry for ultra-low temperature technology for MDF and heat-sensitive substrates. This novelty of unconventional polyester-hybrid binder is designed to deliver synergistic performance benefits that meet the delicate balance of appearance, workability, and curing cycles of the low temperatures cure and fast curing powder coatings.

TUESDAY, MARCH 8

3:45 - 5:15 PM

7. Solving Labor Shortages II

Labor Training Tools for Understanding Voltage, Micro Ampere, and Spray Patterns

Jamie Argyelan, *Gema USA Inc.*

All businesses want their powder coating operators to have a working knowledge on how to produce the highest quality appearance. As businesses struggle through labor shortages and an inability to cross train, good training tools and knowledge are essential. Attendees will learn about proper use and adjustments for voltage, current, and spray patterns in order to achieve great looking finishes. This presentation will incorporate "Non-PowerPoint" visual aids that attendees can take with them for training their employees.

Process Line & Labor Management: Automated Lines

Ryan Allen, *Gema USA Inc.*

Russ Green, *Midwest Finishing Systems, Inc.*

Businesses operating an automated production line, where products are continuously conveyed through their system, are experiencing significant pressure to maintain productivity despite a shortage of labor. Key stakeholders of these process lines are seeking viable solutions in order to sustain their throughput requirements. This presentation will look at the four key elements (load/unload, wash, ovens, application) of an automated line to review potential ways to improve utilization and balance of the existing labor pool to improve process capabilities and productivity.



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8. Case Studies

Case Study - Sun Windows and Doors

David Schneider, *Nordson Corp.*

Chris Anderson and Frank Anderson, *Sun Windows and Doors*

Sun Windows upgraded to an automated reclaim system. Hear about their improvements and advantages they experienced during their system upgrade.

Case Study Review of ACME Lawnmowers - A Liquid to Powder Conversion

Joseph Wildenberg, *Therma-Tron-X, Inc.*

Jeffrey Hale, *Gema USA Inc.*

This presentation reviews the case study of ACME Lawnmowers from Appendix A of PCI's Powder Coating: The Complete Finisher's Handbook. It will dive into how to perform the economic comparison analysis between liquid and powder, how to perform a production analysis, how to define a powder coating process, and how to develop a process specification.

9. System Design II

What to Expect When Installing a Manual Batch Powder System

Frank Mohar, *Nordson Corporation*

Nick Dawson, *Pneu-Mech Systems Mfg.*

Kelly McCabe, *PEM Inc.*

There are many factors to consider when installing and running a batch powder system, with upfront capital and ongoing operational costs being on the forefront. Three field experts will explore different sizes and styles of batch cleaning systems, dry off and batch cure ovens, as well as powder booths and manual guns, all designed to fit your application needs. Along with this, presenters will help determine some overall footprint sizes to help determine what system is right for your space and budget.

10. Maximizing Your Powder Coating Line Cradle to Grave

Pretreatment, Fixture Design, to Hook Cleaning - How to Choose Your Best Options

Daniel Nesper, Max George and Dave Garczynski, *DuBois Chemicals*

A cradle to grave session on choosing the best options to maximize your powder coating line. Starting with pretreatment and why you choose one over the other will include a discussion of iron, zinc, and zirconium, including media blasting. Next we'll move to hooks, racks and fixtures and ways to maximize your system. Then we'll look at the carting process and ways to protect your product and organizing your line. Our final stop will look at burnoff and the different ways to strip your parts and hooks, from blasting to ice to burnoff.

WEDNESDAY, MARCH 9

8:00 – 9:30 AM

11. Breakfast and Roundtable Discussions

Some of the best information exchange at the conference comes from roundtable discussions with peers. The roundtables will take place during breakfast to open the last day of PCI's Powder Coating 2022 Technical Conference program. These informal discussions will be captured and shared with the entire audience.

9:45 – 11:15 AM

12. Solving Labor Shortages III

A Practical 7-Step Guide to Reshoring

Bob Hebner, *Blackstone Products*

This presentation will address the significant research and experiences that support recommendations to establish four critical manufacturing processes and three additional business unit processes needed to overcome the substantial obstacles in any USA reshoring effort. 1. A new manufacturing and business approach is needed to successfully reshore production to the USA. 2. Reshoring is mission-critical to real job creation, pulling people out of poverty, and re-establishing a robust and sustainable USA economy. 3. Reshoring is mission-critical to reduce the USA Supply Chain Risk. 4. Reshoring is mission-critical for the USA to be on the right side of history both environmentally and morally.

Bridging the Gap

David Dunn, *NWMF Powder Coating*

Everyone agrees that the current labor and talent shortage is one of the biggest issues facing businesses today. Over the better part of the last three decades, the American workforce has been undergoing deeper fundamental changes. This presentation will outline five key elements that can be implemented by any employer to help overcome the labor and talent shortage. Not only will they bridge the gap, but they will onboard the best talent available. This is not a quick fix or overnight success solution; it is a long-term culture change that will pay massive dividends down the road.



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TECHNICAL CONFERENCE

WEDNESDAY, MARCH 9

9:45 – 11:15 AM (continued)

13. New Technologies

Presenters in this session are permitted to use the product and tradenames in their discussion as they are presenting emerging technologies.

Next Generation Acid Pickle Technology

Gardacid® P 4354

Suresh Patel, *BASF-Chemetall*

Gardacid P 4354 is a blend of inorganic acids and inhibiting agent mainly used for removing inorganic soils such as but not limited to, laser scale/cutting oxides, weld smuts, and rusts/corrosion oxides. It can be used in both spray and immersion applications as part of Iron, Zinc and/or Zirconium (Thin film) pretreatment lines. The product quickly gained popularity in the auto components market and promises great potential in other markets across North America.

Finishing Flat MDF Panels with UV-Cured Powder Coating

Michael Knoblauch, *Keyland Polymer UV Powder*

This presentation introduces a finishing system to apply, melt, apply pressure, and UV cure a powder coating on a moving two-dimensional flat panel. UVDURAPRESS™ is a patent pending finishing system designed to replace incumbent laminates and surfacing materials used to finish wood-based panels like medium density fiberboard (MDF) and other products finished on continuous conveyor systems. UVDURAPRESS™ offers numerous benefits, the system is scalable, finishing full sheet panels or cut to size panels, uses less total material, has a lower total applied cost, low heat 110oC – 130oC, virtually instant UV curing, and excellent surface performance. The presentation will introduce the application technology, present product and market applications, and review test and evaluation data.

Coraflon Platinum: The Next Generation of FEVE Powder Coatings

Bob Kelly, *PPG*

As the next leap forward in FEVE fluoropolymer technology, PPG Coraflon Platinum powder is a FGIA/AAMA 2605-compliant coating that provides significant improvements over standard FEVE powder in both performance and aesthetics. The patent-pending formulation delivers better corrosion protection in a single coat, a broader gloss range and specialty effects previously unavailable using FEVE technology – including the ever-popular and timeless anodized finish. The product is fully reclaimable and offers 20% higher transfer efficiency than standard FEVE products, delivering fast film build with very little waste. Visit the PPG table to learn more!

Real Time Powder Flow Sensor for Robot Based Powder Guns

John Cole, *Parker Ionics*

The GX975 Powder Flow Sensor is now available for sale in the US and is a true go-no go powder flow sensor. With the increased use of unattended robots being used to apply powder it is extremely important to know definitively if the powder gun is putting out powder and set alarms or warnings if powder flow isn't adequate.

Next Generation Dynamic Contouring

Chris Merritt, *Gema USA Inc.*

As automation evolves, it is critical for users to have higher resolution, lighter weight positioners and robust tools to automatically recognize and powder coat complex shapes. For consistent products coated every day, robotics may be an excellent solution. For many coaters with products that range from frames and boxes to dumpsters, the ability to automate production within the capabilities of their current operators is challenging. The generation, UA 05 positioner, high resolution scanner and fast response positioner for automatic contouring and positioning allows a wide range of automation without an abnormal training demand. This presentation will showcase the latest technology for this exciting next generation automation.

Retroreflective Powder Technology

Shelley Verdun, *PPG*

As a leader in powder coating innovations, PPG is proud to present their first-to-market PPG Retroreflective powder. This industry breakthrough combines the benefits of powder—durability, toughness, one-layer corrosion- and chip-resistance—with retroreflective properties that improve nighttime visibility by directing a large portion of light back to its source. Representing a safety advancement in the traffic market, PPG scientists developed a way to embed reflective glass beads into powder where they remain at the surface, making this solution ideal for bikes, guardrails and machinery.

14. Powder Potpourri I

What Are Thermoplastic Powder Coatings

Mike Withers, *Axalta Coating Systems*

We all know about thermoset powder coatings but what are thermoplastic powder coatings? This presentation will explain what thermoplastic powder coatings are and how they are produced. Attendees will learn the application methods, including fluidized bed dip, flame spray and electrostatic spray. They will also learn where they can be used and how they perform in the field as well as field repair options.

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Preventative Maintenance – Tips, Tricks and Procedures

Aaron Hughes, *General Automatic Transfer Co. (GAT)*

The presentation will cover suggested preventative maintenance scheduling and practices for typical industrial finishing equipment. It will cover basic procedure for weekly, monthly and quarterly maintenance procedures. The presentation will include basic tips and procedures as well as cautionary tales and anecdotes as they are applied to pretreatment washers, drying and curing ovens, conveyance systems, and environmental room equipment. The individual will leave with a reference notebook and guided procedural schedule for maintaining their finishing in a safe and consistent manner.

Tips for Manual and Automatic Gun Settings

Mark Folcik, *Nordson Corporation*

This presentation will inform operators on manual and automatic gun settings to improve transfer efficiency, meet powder film thickness goals, and improve finish quality. This will include proper electrostatic settings, gun to part distance, and air flow settings. The presentation will cover explanations of each gun control setting and their purposes as well as corona field, spray pattern control, back ionization, Faraday phenomenon, and coating techniques. The attendee will learn the importance of gun to part distance, good and bad line density, and how to improve Faraday penetration. The highlight will include multiple up-close videos showing the effects of good and bad practices along with the results of the cured product with each example.

15. Powder Potpourri II

Performance Improvements for Batch Oven Doors

Zach Morrow, *RollSeal, Inc.*

This presentation will focus on the benefits of automating your door system in batch ovens and what to look for in automated door options to assure that you are focusing on areas of importance in the door selection process, including various forms of door activation (push button, remote control, motion sensor, etc.). Like many other industries, historically, the vast majority of doors used in batch oven applications consist of large, heavy, rigid swing or slide doors. In general, there are several drawbacks to this model door in some batch oven applications. In recent years, developments have been made in regard to the option of automating door systems. Automation has been used in a wide range of industries and has proven to increase performance and efficiency in markets ranging from cold storage to more industrial areas.

Chemical Stripping – Cut Costs, Improve Quality, Boost Capacity

Larry Ensley, *Hubbard-Hall*

It is generally accepted that powder coating processes suffer from the overspray that builds up on hooks, racks and hangers. Consequences include a drop in electrical conductivity, which reduces coating adhesion, and results in a poor visual appearance. The solution is to remove the build-up as often as possible, but that's something many coaters find hard and expensive. Chipping, burning and blasting the excess buildup of paint and powder are slow, labor-intensive processes that end up damaging and adding to the repair cost for hooks and racks.

The Case for Porcelain Enamel - When is it the Best Material?

Cullen Hackler, *Porcelain Enamel Institute, Inc. (PEI)*

Helping your customers choose the best coating for their requirements is key in building long-lasting relationships. Many of the advantages offered by porcelain enamel finishes cannot be achieved with other coatings. Porcelain enamels excel in several areas including; chemical (acid/ alkali/solvent) durability, UV resistance, scratch/abrasion resistance, high temperature durability, prevention of bacteria growth and environmentally responsible. This presentation will explore the value of porcelain enamel coatings in light of 21st century porcelain enamel manufacturing equipment, technologies and materials.

11:15 AM – 12:45 PM

16. Closing Lunch and Keynote Creating the Greatest Machines Ever Made: Cultivating the American Workforce for the Future of American Manufacturing

Adam Genei, *Mobsteel, Detroit Steel Wheel Co.*

Ending Powder Coating 2022 Technical Conference on a high note, we are very pleased that Adam Genei will discuss his workforce development formula, which has created a positive, invested and competitive team, embodying the “out work everyone” attitude. His talk aims to prepare our next generation of workforce for navigating their way through our trades and businesses. Focusing on character, work ethic, and long-term thinking, Adam will share the milestones and learning moments he has experienced while building his worldwide brands Mobsteel and Detroit Steel Wheel Co. His enthusiasm for the American workforce is infectious and will have attendees walking away with ways to improve their own company culture and business!



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TABLETOP EXHIBITORS (as of December 15, 2021)

You won't want to miss this chance to visit with tabletop exhibitors on March 7 & 8. This will be your opportunity to meet a variety of companies providing products and services to the powder coating industry. We anticipate more than 70 exhibiting companies; here is the list of exhibitors as of December 15.

Tabletop exhibitors are added frequently. Check our website for updates: conference.powdercoating.org

AkzoNobel Powder Coatings

Atotech USA LLC

Axalta Coating Systems

Bulk Chemicals, Inc.

Caplug/Shercon

Carlisle Fluid Technologies

Catalytic Industrial Systems

CFCM Magazine

Chemetall US, Inc.

Chemical Coaters Association
International

DeFelsko Corporation

Dinamec Systems LLC

DuBois Chemicals

Elcometer, Inc.

Electrocoat Association

EPSI - Engineered Products &
Services, Inc.

Evonik Corp.

FAMIS, Inc.

Fostoria Infrared

Gema USA Inc.

George Koch Sons, LLC

Global Finishing Solutions

Henkel Corporation

Heraeus Noblelight America LLC

Hubbard-Hall Inc.

IntelliFinishing

IPCM

Keyland Polymer UV Powder, LLC

Magic Rack / Production Plus

Midwest Finishing Systems, Inc.

Nordson Corporation

Parker Ionics

PEM Inc.

Pneu-Mech Systems Mfg.

Powder Coated Tough

Powder Coating Institute

PPG

Products Finishing

Richards-Wilcox, Inc.

RollSeal, Inc.

SAMES KREMLIN

Sherwin Williams Corporation

Sympatec, Inc.

Synthomer Americas LLC

TCI Powder Coatings

Trimac Industrial Systems, LLC

Wagner Industrial Solutions

Yaskawa America, Inc.

Motoman Robotics Div.



Tabletops and sponsorships are still available. Visit conference.powdercoating.org to reserve yours today!

register now at conference.powdercoating.org

REGISTRATION FEES

PCI is hosting four separate events in Orlando during Powder Coating Week 2022 (Powder Coating 101 Workshop, Custom Coater Forum, Powder Coating 2022 Technical Conference, and Powder Coating 2022 Tabletop Exhibition) and each event has a separate registration fee. Note that the Tabletop Exhibition is included with the Powder Coating 101 Workshop, Custom Coater Forum and Powder Coating 2022 Technical Conference registration. If you are attending the Tabletop Exhibition Only, a separate fee applies. We are offering discounted combination fees to attend the Technical Conference with either the Powder Coating 101 Workshop or Custom Coater Forum.

Note: The Powder Coating 101 Workshop and Custom Coater Forum registration fees alone **do not** include admission to the Technical Conference. Admission to the Tabletop Exhibition is included on Monday evening, March 7 only.

Two-Day Powder Coating 2022 Technical Conference – March 8 & 9

END USERS OF POWDER COATINGS:

Member	Non-Member
\$595 through January 15	\$750 through January 15
\$695 after January 15	\$825 after January 15

EXHIBITORS:

Member	Non-Member
\$475	\$550

NON-EXHIBITING SUPPLIER TO THE POWDER COATING INDUSTRY:
\$1,800

Two-Day Technical Conference Fee Includes:

- Admission to any Powder Coating 2022 Technical Conference session on February March 8 & 9
- Admission to the Tabletop Exhibition on March 7 & 8
- Continental breakfast, refreshment breaks & lunch for the duration of the Technical Conference on March 8 & 9
- Tabletop Exhibition receptions on March 7 & 8
- One copy of conference presentations on a flash drive



Tabletop Exhibition Only – March 7 & 8

See Schedule of Events for Tabletop Exhibition Hours

END USERS OF POWDER COATINGS:

Member	Non-Member
\$250 through January 15	\$275 through January 15
\$295 after January 15	\$325 after January 15

Non-Exhibiting Suppliers to the powder coating industry may not register for the Tabletops Only (see 2-day conference registration)

Tabletop Exhibition Only Fee Includes:

- Admission to the Powder Coating 2022 Tabletop Exhibition on both days
- Tabletop Exhibition receptions on March 7 & 8
- Lunch on March 8



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REGISTRATION FEES

The Powder Coating 101 Workshop and Custom Coater Forum registration fees alone do not include admission to the Technical Conference or Tabletop Exhibition. See the Combination Registrations section for available discounts.

Powder Coating 101 Workshop – March 7 & 8

Member	Non-Member
\$495	\$595

Workshop Fee Includes:

- Powder Coating Finisher's Handbook (a \$120 value)
- Continental Breakfast on March 7 & 8
- Refreshment breaks on March 7 & 8
- Lunch on March 7
- Admission to the Tabletop Exhibition and Reception on March 7
- Workshop handouts
- Certificate of Completion

NOTE: This does not provide admission to the Powder Coating 2022 Technical Conference. You must register for the technical conference in addition to the Workshop. See the Combination Registrations available for discounts.

Custom Coater Forum – March 7

Member	Non-Member
\$375	\$475

Custom Coater Forum Fee Includes:

- Admission to all Custom Coater Forum Sessions
- Continental Breakfast on March 7
- Refreshment breaks on March 7
- Lunch on March 7
- Admission to the Tabletop Exhibition and Reception on March 7

NOTE: This does not provide admission to the Powder Coating 2022 Technical Conference & Exhibition. You must register for the technical conference & exhibition in addition to the Custom Coater Forum. See the Combination Registrations available for discounts.

Discount Combination Registrations

Save 20% when you register for the Two-Day Technical Conference & PCI Powder Coating 101 Workshop OR the Custom Coater Forum!

The discount will automatically be applied during the registration process when you select one of the two combinations listed below:

Two-Day Technical Conference & PCI Powder Coating 101 Workshop Save 20% if you register by January 15

END USERS OF POWDER COATINGS:

Member	Non-Member
\$872 through January 15	\$1,076 through January 15
\$952 after January 15	\$1,136 after January 15

Two-Day Technical Conference & Custom Coater Forum

Save 20% if you register by January 15

END USERS OF POWDER COATINGS:

Member	Non-Member
\$776 through January 15	\$980 through January 15
\$856 after January 15	\$1,040 after January 15

Group Discounts

Send three or more people from the same company and take an extra 10% off each registration fee. All must register together (use ADD ANOTHER REGISTRANT when registering) to receive the group discount.

Please contact Leslie Muck at leslie@goyermgt.com for the group discount promo code.



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