



THE ZINC PLATING EXPERTS



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E-NEWS

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Columbia Chemical Introduces TRIVECTA UNIBLACK 200

The First True One-Part Black Trivalent Chromate for Zinc-Plated Parts

Introducing the first true one-part trivalent chromate for zinc-plated parts. UNIBLACK was developed specifically for zinc platers who have been requesting a solution that does not require babysitting or break the budget, and it works on parts plated in both alkaline and acid chloride zinc baths.

Consistently jet-black and glossy, UNIBLACK provides a thick, uniform finish - even on difficult-to-plate parts. The highly scratch resistant deposit provides 144+ hours of corrosion protection in neutral salt spray. UNIBLACK tolerates up to 20,000 ppm of zinc build-up. This environmentally sound process remains stable, even after month long shut downs, and is free of precipitation and sludge.

For more information contact Columbia Chemical at (330) 225-3200 or [click here](#) to have a representative contact you.



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Process and Applicator Approval Update

Boeing Grants Columbia Approval as Supplier of Cadmium Brightener Process

Columbia Chemical Corp. has been granted approval by the Boeing Company as a supplier of cadmium brightener for applications on all models of their commercial airplanes. Columbia Chemical's COLCAD 100 brightener for cadmium plating is designed to produce brilliant, uniform deposits in both rack and barrel plating applications while providing long operating life with low cost bath operations.

Tom Alderson, Sales Manager Americas, worked closely with Boeing representatives to gain the approval. Alderson comments, "Boeing faced a serious problem because manufacturers of previously approved products decided to discontinue them. Because the former products are no longer commercially available, Columbia Chemical's COLCAD 100 is now the only Boeing approved cadmium brightener available for these applications. The approval also allows platers to add COLCAD 100 to existing baths containing former Boeing approved cadmium brightener."

Bright Finishing, Wolverine Plating and Kalamazoo Metal Finishers Receive General Motors Applicator Approvals; More in the Works

Katie Reagan, Automotive Specialist, has been working diligently with shops to assist with applicator approvals. Congratulations to the following shops recently receiving General Motors approvals:

- Bright Finishing - *Matamos, Mexico*: GM 3044 X
-

Wolverine Plating - *Roseville, MI*: GM 3044 X, N

• Kalamazoo Metal Finishers - *Kalamazoo, MI*: GM 3044 X

The following shops are currently completing the applicator approval process:

• American Metal Coatings - *Cleveland, OH*: GM 4700 B

• Wolverine Plating - *Roseville, MI*: GM 3044 G

• Jagemann Plating - *Manitowoc, WI*: GM 3044 X

• Superior Metal Finishing - *Detroit, MI*: GM 3044 X

Contact Katie Reagan for more information at katie.reagan@columbiachemical.com

Technical Update

Getting Better All The Time

A Look at What's Coming Up in Zinc Plating

by Rick Holland

Courtesy of Products Finishing Magazine

Innovation and trend-setting technology have always driven suppliers of zinc plating processes. To "future-proof" the survival of the zinc plating industry, we must be able to provide customers with the products they need now as well as innovations they will need many years down the road. This article provides a look at some technology advancements either just released to the market or currently under development... [read more](#)



Meet The Zinc Plating Experts

Mariann Dance

Accountant

Meet Mariann Dance, accountant for Columbia Chemical. Mariann joined the Columbia Chemical team four years ago with a B.S. in accounting. A recent graduate of Cleveland State's MBA program, she is currently working toward her final requirements for CPA certification. Her responsibilities include overseeing accounts payable and receivable, managing the general ledger and administering payroll.

Mariann Dance, who reports directly to Accounting Manager Pat Martis, is a member of The Cleveland Foreign Credit Group as well as The Ohio Society of CPAs. She also actively co-chairs on Columbia Chemical's ESOP (Employee Stock Ownership Program) Communication Committee.

Recently engaged to fiancé, Brent Whitcomb, much of Mariann's free-time is spent planning for her



upcoming wedding this summer. When the two have the opportunity, they enjoy attending weekend sporting events together and are enthusiastic Cleveland Indians fans.

Community Involvement

Eighth-Grade Students Experience the Engineering Design Cycle

Katie Reagan, Automotive Specialist for Columbia Chemical Corporation, recently volunteered her expertise at Hathaway Brown School through A World In Motion project sponsored by the Society of Automotive Engineers (SAE).

The six-week project, which concluded with a judged science fair, involved approximately seventy eighth-grade students working in teams of 3 to 4. Students were given the task of designing a motorized toy that focused on technology, including a more in-depth exploration of gears and torque. Along with design, special attention was also given to market research and presentation.

Reagan worked closely with Nicole Trombotta, science teacher at Hathaway Brown. Trombotta initially spearheaded the A World In Motion project at the Shaker Heights, OH school in 2005 and has continued to incorporate the program into the "all girls" middle school curriculum.

Katie Reagan was eager to contribute to the girls' high level of enthusiasm and creativity. She was able to pull from her current work related endeavors and guide the students to achieve a more formal understanding of the concept of "torque" and directly apply it to their projects. "The students were completely immersed in the learning process from day one and the initial introduction of the concept of gear ratios," comments Reagan. "I could see the students' ideas evolve throughout the process. Remarkably, many of the final ideas were so well implemented that they could have real-world marketability."

Reagan also served on a panel of judges for the final science fair and was able to gather feedback from the students regarding their attitudes toward the completed projects. "Initially, many of the students were intimidated by the challenge due to their lack of experiences with gears and electrical wiring," recalls Reagan. The finished projects exemplified the students' pride and sense of accomplishment as best stated by Hathaway Brown student Cate, "My favorite part of this project was the science fair day when we got to show off our hard work!"



Katie Reagan (right) assisting Hathaway Brown students with their A World In Motion project.

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