



THE ZINC PLATING EXPERTS



Columbia Chemical  
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[www.columbiachemical.com](http://www.columbiachemical.com)

E-NEWS

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## New Proven Electroless Nickel Processes Combine Brightness with Specification Approvals

The zinc experts are fast becoming the electroless nickel experts as well! Columbia Chemical is now offering a full line of electroless nickel technology. Our processes meet most military, aerospace, and OEM specifications, including ASTM-B-733, AMS2404 and ISO 4527.

Our new MARQUEE ENVY MP Bright Mid-Phosphorous Electroless Nickel process is lead and cadmium free, and ELV compliant. This new process boasts a deep, brilliant deposit, excellent deposition rate, and long solution life.

A recent month-long field test of MARQUEE ENVY MP at a Kentucky-based plating shop resulted in brighter parts and a long bath life. The shop processes steel substrates and various stamped and machined parts for interior, exterior, and wear applications. The customer stated that the parts looked great and were brighter than the competitor process. They were also happy with the long bath life of the process.

*Columbia Chemical also offers:*

**MARQUEE HP** - A High Phosphorous Electroless Nickel process that has excellent corrosion resistance and passes the nitric test.

**MARQUEE BMP** - A Bright Mid-Phosphorous Electroless Nickel process with one of the fastest deposition rates throughout the life of the bath.

If you are looking for an electroless nickel process that combines brightness with specification approvals, please contact us for more information on our technology.

### Contact Us

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Join us on Facebook!  
See photos of our zinc experts in action, technical tips and other news.



## News From the Technical Department

### Technical Training Trip to Asia Exceeds Expectations

Rick Holland, Vice President of Technology, returned from a technical training trip to China and Indonesia in early August, with renewed appreciation for the Asian marketplace.

One purpose of the trip was to conduct a Columbia Approved Resources Audit (CAR), a quality standards check, for platers in Asia. Applicators that are recognized as CAR-approved are placed on a list made available to OEMs and Tier 1 suppliers each quarter. Automotive companies prefer this system, developed two years ago, since quality standards have become increasingly important in recent years.

While visiting with Metalite, Columbia's long-time partner in Foshan, China, Rick conducted a CAR Audit for a very large plating shop in Guangzhou; the plater services more than seven car manufacturers. He also visited many other Metalite customers in Tenxing, Nanjing and Shanghai to answer questions about Columbia processes.

From there, Rick flew to Jakarta, Indonesia, for technical service and sales calls with the team at BMM, Columbia's partner in the region for more than 20 years. He spent most days in plating shops discussing the Trivecta Black 300 trivalent chromating process, and explaining the benefits of ammonium chloride for acid-chloride zinc plating.

Jet lag was a small price to pay for the productive days Rick got to spend with our partners. "These people have immense impact in the Asian metal finishing industry, and represent Columbia Chemical and our products extremely well in their countries" Rick says. "They have my deepest respect."

For more information contact us 330/225-3200 or [info@columbiachemical.com](mailto:info@columbiachemical.com).

## Meet the Zinc Plating Experts



Amanda Beach  
Quality Control Technician

### Amanda Beach *Quality Control Technician*

Amanda Beach looks at everything with a critical eye. As our new Quality Control Technician, Amanda is responsible for testing all raw materials and finished products. She also produces certificates of analysis, maintains equipment calibration, and does sample monitoring and ISO documentation.

Vice President of Technology Rick Holland says, "Amanda is conscientious and her skills are precise. She is upholding the Columbia standard of excellence."

A physics graduate of Cleveland State University, Amanda worked in the on-campus Industrial Space Systems Lab. She was part of an engineering team that worked on a successful project to increase the tensile strength of glass fibers by incorporating carbon nanotubes. Amanda's role was to test the finished fibers and to supervise lab safety.

Amanda came to Columbia Chemical from Sherwin-Williams. When she is not in the lab, Amanda enjoys riding on the Metro Park bike trails near her home on the west side of Cleveland. She also enjoys spending time on her family's boat. Welcome aboard, Amanda!

## Career Opportunity

### Columbia Chemical Is Seeking a Technical Sales Representative for the Michigan/Northern Indiana Territory

Ideal candidates will reside within the territory and have a minimum of three to five years of technical experience & must be familiar with metal finishing, zinc plating, products, and processes. Bachelor's degree in science or business preferred.

Email resume to [careers-michigan@columbiachemical.com](mailto:careers-michigan@columbiachemical.com)



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