



**Airco
Powder
Inc.**

THE PROVEN PATH TO A DURABLE, LONG-LASTING FINISH

With over 5 miles of automated production line and a 37,000-gallon E-coat tank system, we're equipped to tackle large-scale projects with ease and efficiency. From production overflow to complex assemblies, our integrated system ensures uniform coverage and streamlined throughput from start to finish.



OUR PROCESS

-Step 1: Part Prep & Inspection.
Parts are leveled and height-checked to ensure uniformity. Once aligned, they're prepped to receive our signature finish—starting with a meticulous chemical clean

-Step 2: Alkaline Wash & Zirconium.
Each part is subjected to an alkaline rinse at 130°F followed by an even spray of Zirconium, which enhances corrosion resistance and ensures maximum primer adhesion.

-Step 3: Electrodeposition Primer (E-Coat). This is the heart of our protective process.

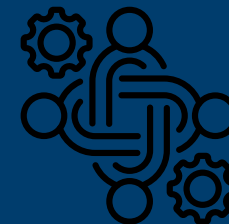
Parts are submerged in a 37,000-gallon E-Coat tank filled with an epoxy primer suspension. Through a cathodic electrodeposition process, charged paint particles are drawn to grounded parts at over 130V DC, forming a tough, even coat on every surface in just two minutes.



-Step 4: Precision Baking.
The primed parts are baked at 370°F for 10-20 minutes. This critical step catalyzes the bonding of epoxy molecules, locking the primer to the part with exceptional strength and durability.

-Step 5: Advanced Powder Coating.
Next, our industry-leading powder process kicks in. An exclusive sustainable TGIC powder is sprayed via 20 automatic electrostatic guns and 2 manual guns, coating the parts as they pass through a dense powder cloud chamber.

-Step 6: Final Cure for Maximum Performance.
Finally, the coated parts are cured at 390°F for 10-20 minutes. The high temperature transforms the powder into a gel state, which flow-coats every contour before hardening into a smooth, resilient finish built to endure.



By utilizing a quicker cure cycle, we produce a smoother, more uniform finish—enhancing both the appearance and performance of every part.

This cost-effective method delivers exceptional resistance to chipping, scratching, fading, and general wear. The result is a long-lasting, vibrant finish that outperforms traditional coatings—ideal for even the most demanding industrial and commercial applications.

THE RESULT

**A premium,
corrosion-resistant,
environmentally
friendly finish that
lives up to the most
demanding
industrial standards
—and looks great
doing it.**



Benefits

- The ability to coat small to large parts
- Two full-service powder lines plus manual batch process
- High-Temperature ovens able to handle up to 400 degrees
- Pre-treatment in zirconium conversion coatings
- Abrasive blasting prior to pretreatment if desired
- Special masking as needed
- Stock and custom powders from top industry suppliers
- Prototype to production runs
- Full quality inspection and analysis
- Safe packaging/shipping for your components



**Do you have a unique project
with specific needs?**

CONTACT US!!

 (502)-645-0275

 255 Arnco Third St, Newnan, GA 30263



Powder Services:

Powder Coating . Masking & Unmasking .
Sub-Assembly . Final Pack Off-Line
Sticker/Decal Application . Drop Shipping



UP TO 35FT A MINUTE!



<https://www.aircocorp.com/>