

# BTR Plating Resources

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## Products & Services

**BTR-Plating Resources** offers a extensive variety of Powder Coating services. **Powder Coating** is the direct application of powdered paint onto a metallic part by charging the paint particles with an electrostatic charge, which is then applied with a powder spray gun. These particles are attracted to the grounded part. The coated part is then heated in a curing oven which results in the paint particles melting, flowing and fusing into a high quality, uniform finish that is aesthetically pleasing and highly durable. Finishes utilizing this method are available in a wide variety of colors and textures.

Powder coat paint is tough, attractive, cost-effective and easy on the environment. It's a safer, cleaner coating choice that supplies a superior finish.

Powder coating is resistant to corrosion, heat, impact, abrasion, fading from sunlight and extreme weather and is available in your choice of colors and textures.

### Electrostatic Powder Spray Conveyor System

Our system utilizes a powder spray booth and a curing oven connected by an overhead conveyer. Parts are hung on racks and travel through the cleaning, phosphate coating, powder paint and oven cure process.

**BTR-Plating Resources** has earned a reputation for outstanding quality and service by continuously searching for cost-effective, efficient and environmentally friendly processes to meet our customer's ever changing needs. [more info](#)



Whether your objective is cosmetic appearance, corrosion resistance or functionality it can be achieved by:

- Anodizing
- Bright dipping
- Bright nickel chrome
- Chromate conversion
- E-coating
- Electroless plating
- Electroplating
- Electropolishing
- Gold plating
- Hard Chrome
- Liquid top coating
- Nickel plating
- Phosphate coating
- Polymer coating
- Powder coating
- Silver plating
- Tin plating
- Zinc and zinc alloys

## Typical Powder Coatings

- ⇒ **Epoxy:** Excellent corrosion resistance, toughness, adhesion and hardness. Poor weatherability.
- ⇒ **Epoxy/Polyester Hybred:** Less susceptible to yellowing when cured. Exhibits similar properties to standard epoxy coating.
- ⇒ **Polyester/Urethane:** Smooth, thin film with excellent mar and chip resistance and good weatherability.
- ⇒ **Polyester/TGIC:** Excellent weatherability with excellent mar, chip and corrosion resistance. Excellent edge coverage.

## The Powder Coat Advantage

- ◆ **Durable**
  - Resists cracking, peeling or marring
  - Reduces porosity for fewer surface imperfections
- ◆ **Cost Effective**
  - Reduces equipment, energy, labor and waste disposal costs
  - Wide variety of coating chemistries can be applied with the same equipment
  - Desired thickness usually achieved in a single pass, for most applications
  - Waste is negligible
- ◆ **Environmentally Compliant**
  - 100% solid organic compounds meet EPA standards
  - No solvents are released into the atmosphere
  - Cleanup is performed without the use of solvents minimizing health & safety concerns
- ◆ **Versatile**
  - Provides excellent uniformity—eliminating sags, drip marks and other irregularities
  - Textured finishes conceal surface imperfections and are aesthetically pleasing
  - Coatings are available in various colors and gloss levels



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