

# Kooltronic Announces

## Powder Paint Application Facilities

### At Your Service!



*Kooltronic, Inc. is pleased to announce that we are making our custom state-of-the-art powder paint facilities at our Pennington, NJ plant available for your sheet metal finishing.*

- *Kooltronic's new automated powder paint system can be used in a wide range of applications with different textures and finishes that require a powder coated finish.*
- *User-specified custom colors are applied with an automated process that exceeds the 720 hours of Salt Spray accelerated testing per ASTM B117-97 (Bellcore Specifications).*
- *Our continuous conveyORIZED automatic process can handle large volumes efficiently.*
- *Kooltronic offers true flexibility with an additional manual batch paint booth for small production runs.*
- *Our automatic paint booths can handle parts up to 24" deep x 48" long x 72" high.*
- *Special masking can be done as part of our custom service.*
- *The powder paint finishing process applied at Kooltronic is non-polluting and environmentally friendly.*



The automated wash system and dry-off oven.



One of our three powder paint application booths.



## Kooltronic Powder Paint System Features:

- **Overhead Conveyor System** - Transports the parts in a continuous loop through all of the stages of the painting process. It allows us to handle a large volume of work with accuracy and efficiency.
- **Five Stage Power Wash/Pretreatment System** - This step is the key to the excellent corrosion protection afforded by the Kooltronic Powder Paint System. The pretreatment process prepares painted parts and creates a solid foundation for our baked on epoxy or polyester powder coatings. Each stage uses a tank, recirculating pump and nozzle array. All solutions are sprayed with nozzles directed at the parts from both sides of the Power Wash Tunnel. The five stage power wash/pretreatment system consists of:

**First Stage** - A heated wash.

**Second Stage** - A heated rinse.

**Third Stage** - A pretreatment solution is applied to the unpainted parts.

**Fourth Stage** - A heated rinse is used to remove the pretreatment solution.

**Fifth Stage** - The final step is a sealer.

At each stage of the above pretreatment process, the system chemistry is maintained to assure a level of quality that will protect your parts from harsh weather and corrosion.

- **Water Dry Off Oven** - Heated air, maintained at a uniform temperature, is circulated around the parts to dry the chemical protection applied during the pretreatment process.
- **Paint Powder Application** - Three powder paint booths are available for your use. Booths feature manual as well as automatic paint gun stations to assure maximum coverage.
- **Cure Oven** - Painted parts are heated in circulated air that is maintained at a uniform temperature.



Powder paint booth.



Parts exiting the water dry-off oven.

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