KRONIS COATINGS
Div. of Jay Industries Corp.

1575 W. Longview Avenue
Mansfield,OH 44906
419-747-6639

KRONIS

A specialized 57,000 square foot facility constructed in 1995 for the electrostatic spray application of powder coatings to metal components.
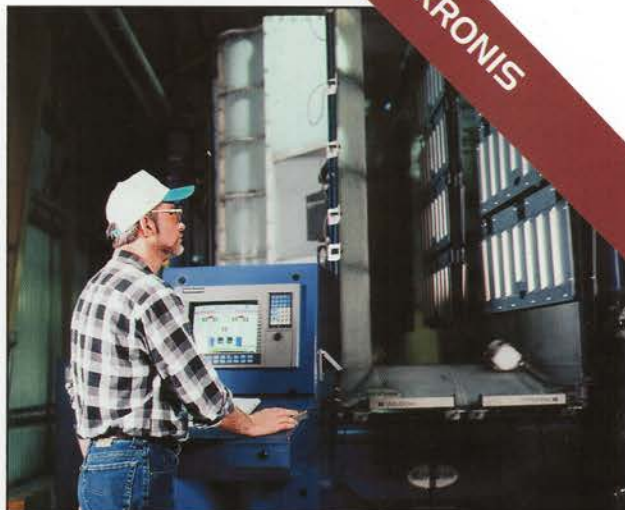
Powder coatings are applied utilizing a Nordson Smart-Coat control system which offers constant monitoring of all electrostatic parameters for maximum transfer efficiency. As the automated system identifies the individual racks, spray gun positioning and activation, electrostatic voltage, power flow and atomizing pressures are all automatically adjusted according to preset coordinates. Desiccant compressed-air dryers and oil coalescing filters provide clean dry air to the progress. The resulting consistent powder delivery ensures a uniform coating thickness.

Consistent quality is maintained by means of visual inspections of all coated surfaces and by the testing of periodic production samplings by trained technicians. Components not meeting strict standards are identified and transferred to a well separated area for necessary in-house rework. Access to the intracompany General Motors GP-10 accredited laboratory allows for thorough durability testing.

Additional services including the masking of components and light assembly are available.

Powder is sprayed in a climate controlled atmosphere utilizing a Nordson Smart-Coat operating system with Versa-Screen 486 pc operator interface.

An eight stage pretreatment process consisting of an alkaline cleaner, multiple water rinses, an iron phosphate conversion coating, a nonchrome acid seal rinse, a deionized water rinse and a drying and preheating oven prepare the surfaces for powder coating. Lab technicians titrate the pretreatment tanks and monitor fluid levels and temperatures every four hours for consistent cleaning and coating results.

ISO 9002 QS 9000 Registered

Components to be powder coated progress through the finishing process on custom designed racks by means of an overhead computer monitored power and free conveyor system.