

ROBOTIC PRESS LINE



SUBSTRATE

SAE 1018 Steel

PROBLEM

Thermal oxidation of robotic connections handling parts repetitively at 350C. A need was identified to insulate the heat transfer from the parts to the robot components reducing the risk of damage to the expensive robots.

COATING

Ceramic metallic E1300 with a satin finish

RESULTS

Full coating of the parts has worked well in this application, reducing the heat transfer to the robotics while still protecting the parts from contamination and wear. These parts cycle approximately 200,000 times before they are changed out. With the improved performance, the parts can be used longer and allow for less downtime on the assembly line.

Experiencing an issue with thermal management, corrosion or friction in your operations? Give our engineers a call at (800) 432-3379