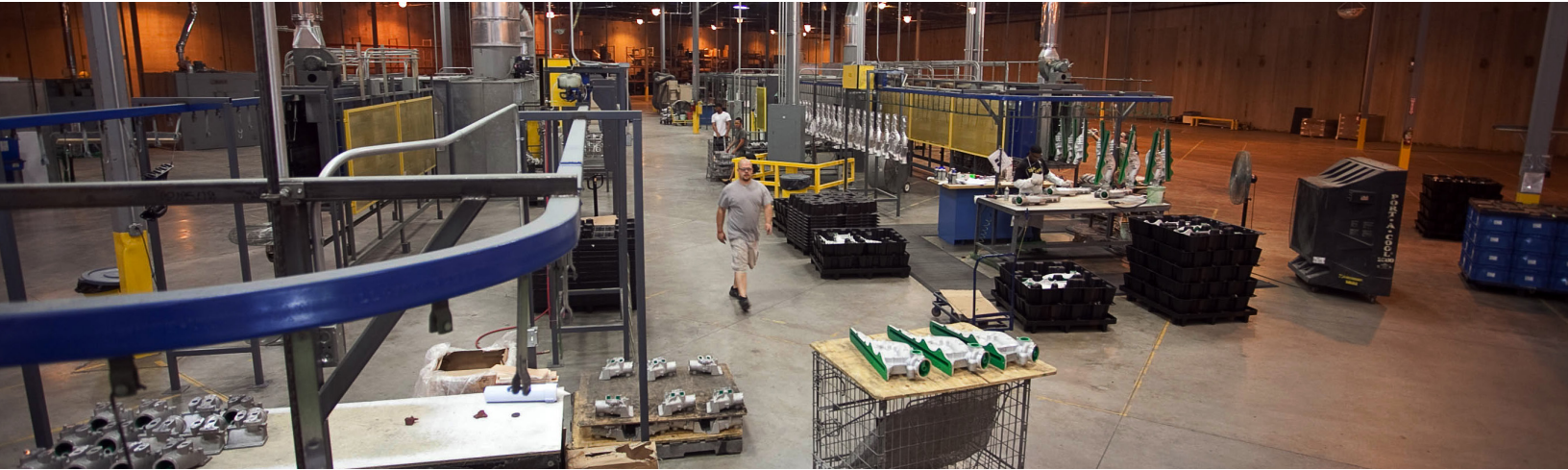


THERMAL OXIDATION



SUBSTRATE

Mild steel

PROBLEM

Thermal oxidation on heat treating process racks run through 1080F for 8 hourcycles followed by a water quench. This cyclical thermal exposure causes severe oxidation of the mild steel racks.

COATING

E1300 ceramic metallic

RESULTS

Coating the racks with E1300 ceramic metallic coating provided a galvanic corrosion barrier that eliminated the rust and scale formation. The coating solution allowed the customer to use the mild steel rather than increasing costs with stainless steel racks.

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