



Automotive

Case Study: Metal Mate – Automotive Parts Stamping

Brought To You by ITW Pro Brands | Oct 10, 2023

PRODUCT: METAL MATEST[™] HDA8515

BOTTOM LINE: Automotive Parts Stamping

Automotive parts manufacturer solved multiple production issues while saving money and improving tool life

APPLICATION

- Bending, drilling, and sawing aluminum extrusion.

ISSUE

- Customer was experiencing issues with hard water chemistry, plugging nozzles, sticking and staining in heat-treat, and poor paint adhesion caused by their previous stamping fluid.

VALUE PROPOSITION

- Superior product and improved quality
- Eliminated staining and baked-on chips in heat treatment
- Product consumption reduced by 30%
- Tool life improved by 50%
- Eliminated nozzle plugging issue at customer site
- Paint adhesion was improved

SOLUTION

- METAL MATEST™ HDA8515 was trialed over an extended period to see how it would address all of the issues facing the customer

RESULT

- A successful trial proved that METAL MATEST™ HDA8515 allowed for heat treat without requiring pre-wash and eliminated problems with staining and chips sticking. It also held up to hard water issues and didn't cause nozzles to plug. Paint adhesion was improved, and the customer adopted METAL MATEST™ HDA8515 as their stamping fluid of choice.

Previously Featured on ITW Pro Brands' Resources page.

www.mscdirect.com/betterMRO

Copyright ©2025 MSC Industrial Supply Co.