



World Class Cleaning Solutions

Case Study

Deburring Contamination Removal: Engine Components

CUSTOMER DETAILS

Product: Jet Engine Parts

Parts Cleaned: Pratt & Whitney Blades for turbine engines, Aluminum (4140)

Removing What Soil(s): Castrol MB50 Coolant

Why are Parts Degreased: To remove the deburring contamination, which requires a Pratt & Whitney approved degreasing chemistry

CUSTOMER PROCESS BRULIN REPLACED

Current Chemistry: New Process

Concentration: Unknown

Washer Type: Jenfab 360-2

Specific Metals: Aluminum 4140

Temperature: Unknown

Time/Line Speed: 5 minutes Wash, 5 Minute Rinse

Customer Improvement Requested: New Process

Other: Parts get deburred with an OTEK Turbo HKS Deburring Machine, Drag Finishing Machine. They use a mild detergent in the final slurry stage.

BRULIN IMPLEMENTED PROCESS

Chemistry: AquaVantage® 3887 GD

Concentration: 7%

Temperature: 140°F (60°C)

Time/Line Speed: 5 Min. Wash, 5 Minute Rinse

Dry: 10 Minute Ambient Blow Off

RESULTS

AquaVantage® 3887 GD effectively removes all of the contamination from the part surfaces so they can be further processed in the next manufacturing step.

REASON BRULIN WON

Part cleanliness, Pratt approved product, distributor relationship with the customer.

