



World Class Cleaning Solutions

CASE STUDY

Aerospace OEM

Customer Details:

Product: SolVantage™ MP 1793

Parts Cleaned: Aerostructures, landing gear, gear boxes, air control systems

Removing What: Removing Zyglon in FPI Process prior to applying developer in FPI Process

Scenario: To check for defects/cracks in large parts that can't be immersed

Customer's Current Process:

Current Chemistry: Magnaflux

Concentration: RTU

Washer Type: Manual cleaning

Specific Metals: Stainless Steel, Aluminum, various Nickel Alloys

Temperature: ambient temp.

Customer Improvement Requested: Magnaflux discontinued cleaner with no replacement cleaner.

Other: Large percentage of current parts manufactured are for Boeing 787

BHC Recommended Process:

Chemistry: SolVantage™ MP 1793 and SolVantage™ MP 1793 Wipes

Concentration: RTU

Temperature: Ambient

Time: Every part different in cleaning off Zyglon

Dry: 5 minutes

Results: SolVantage™ MP 1793 & Wipes worked better than anything they had used previously to clean off just the right amount of Zyglon but not too much so Zyglon wouldn't fluoresce defects and cracks in metal.

Reason BHC Won: SolVantage™ MP 1793 was the perfect product for the application. It didn't have the AMS2644 standard but they approved it anyways because it worked so well.