



World Class Cleaning Solutions

CASE STUDY

Satellite Launch System Components

Customer Details:

Product: AquaVantage® 1990 GD

Who: European Manufacturer of Satellite Launch System Components

Parts Cleaned: Aluminum pieces used in satellite launch systems; substrates requiring reliable bonding of insulating substrate layer.

Removing What: Debris, hydrocarbon oils from processing.

Scenario: Prior to bonding, Mission critical aluminum surface and bonded layer do not tolerate any corrosion, cleaner residue, or residual soils that would interfere with adhesion.

BHC Recommended Process:

Chemistry: AquaVantage® 1990 GD

Washer Type: Large custom build spray wash cabinet, detergent tank size 2000L

Concentration: 10% +/-

Temperature: 65°C (149°F)

Rinse: 2 Stages

Control: pH monitored closely to ensure consistently above BHC's recommended 9.5 lower control limit for aluminum substrates

Results: Customer reports very good cleaning performance and bonding results compared to previous TCE cleaning process. Main quality control parameter is bond strength and durability, which may demand tolerating 4 month delay until launch.

Tank Life: 3 months