



In-line Automated Ultrasonic Cleaning System for New and Used Jet Engine Parts

MODEL # UCS 54 × 52 × 31-S-3-D

PROGECO Exclusive Features:

- Environmentally friendly – no solvents. Biodegradable commercial detergents only.
- Ultrasonics produces high-quality cleaning of complex parts.
- Low chemical cost – 5 to 10% detergent in 1st stage tank.
- Low energy cost – thermal insulation and lids on each tank.
- No health hazard to workers.
- Transportation system for unattended operation.



PROGECO[®]
Integrated Cleaning Solutions

In-line Automated Ultrasonic Cleaning System for New and Used Jets Engine Parts

Scope

Workpiece.....	New and used aircraft engines parts
Application	Cleaning prior to inspection, repair or assembly
Cleanliness	Free of oil, grease, coolants, and metal chips
Dryness	Dry to touch

Features

Benefits

4-stage in-line process	Parts free of oil, grease and metal chips
Ultrasonic heated immersion wash	
Immersion pre-rinse, RO water	
Ultrasonic heated immersion final rinse, RO water	
Convection drying station	
Basket transportation system.....	Automatically moves the baskets through the process as per preprogrammed sequences
Lift platforms	Oscillate baskets in the tanks to improve cleaning; pneumatically operated
Convection dryer station.....	Dries parts with temperature up to 250°F
Thermal insulation and lids on each tank.....	Energy conservation

Technical Data

Workpiece envelope	54" W × 52" L × 31" H
Transport system capacity	1000 lbs
Tank volume	600 USgal / 2,500 liters (wash/pre-rinse/final rinse)
Heating mode.....	Steam
Dryer capacity	Steam heated air / 3000 CFM
Ultrasonics	12,000 watts per tank