



Automatic Aircraft Tube Cleaning System

MODEL # TF-30 x 30 x 180-S-500-3-BO

PROGECO Exclusive Features:

- Environmentally friendly - no solvents. Bio-degradable commercial detergents only.
- Re-circulating principle - water-based cleaning solutions conserve energy, detergent and water.
- Power spray principle - produces high-quality and high-speed cleaning.
- Low chemical cost - 3 to 5% detergent in water.
- Low energy cost - spray cabinet and tanks fully insulated, programmable heating systems.
- No health hazard to workers.



PROGECO[®]
Integrated Cleaning Solutions

Automatic Aircraft Tube Cleaning System

Scope

Workpiece.....	New stainless-steel, aluminum and titanium aircraft tubes used in pneumatic, hydraulic, fuel and oxygen systems
Application	Cleaning after cutting and forming, and prior to inspection
Production	Up to ten parts per hour
Cleanliness	Visually free of coolants and forming lubricants

Features

Benefits

SS 304L construction of wetted parts.....	To allow use of de-ionized water as required by the process specifications
Siemens S7-200 Programmable logic controller with touchscreen	Up to ten cleaning sequences can be pre-programmed into the PLC
Three flushing stations. Typical cycle time: 15 minutes.....	More efficient and faster production than immersion systems, with reduced energy costs due to smaller tank volumes
Flushing station plugs hold and flush tubes ranging from ¼ " up to 3" in diameter	Machine is part of a JIT environment. Tubes are made to meet spare parts demands, thus optimizing production and significantly reducing inventory
Full-cone spray nozzles, mounted above the tubes.....	Improved OD cleaning results

Technical Data

Work space width.....	30" / 750mm
Work space height	30" / 750mm
Work space length	180" / 4,500mm
Load capacity	500 lbs / 250 Kg
Wash tank volume	350 USgal / 1,300 liters
Rinse tank volume	350 USgal / 1,300 liters
Detergent concentration.....	Brulin 1990GD @ 5% in water
Tank change-over	Every 2 – 3 months
Connected power.....	460V - 3PH - 60Hz - 15A / 380V - 3PH - 50Hz - 20A (steam heating)
Floor space requirement	10' W × 20' L / 3,0 m W × 6,0 m L