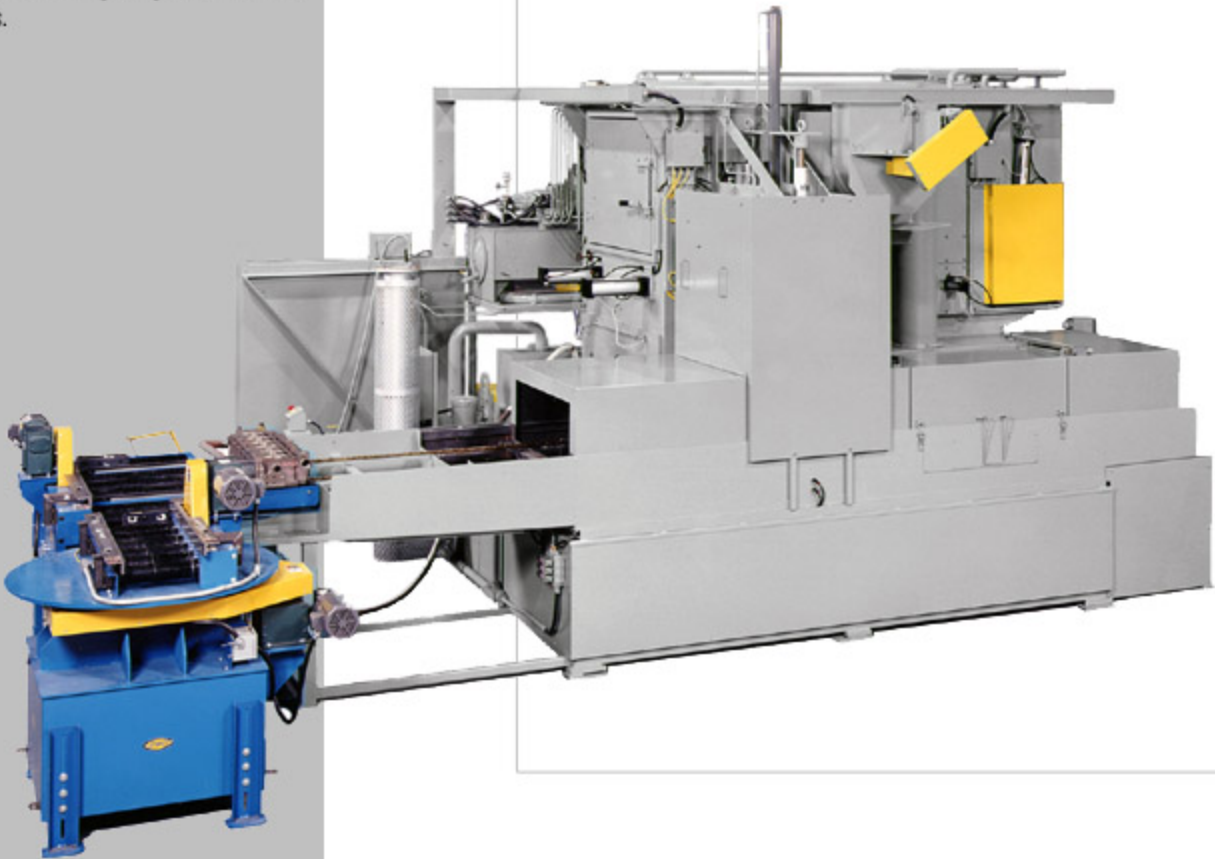


PRECISION ENGINE HEAD WASHER

▲
Immersion cleaning, power flush and power spray are incorporated in an indexing 6-position Ferris-wheel washer. Workpieces are individually rotated about their horizontal axis to ensure chip removal. Precision-aimed spray manifolds are automatically moved into position in the flushing stages to address critical areas.



PRECISION ENGINE HEAD WASHER

MODEL # SI-FW-G-D

Scope

Customer	Tier 1 supplier of engine heads
Workpiece	CAT C9, 6 cylinder cast iron cylinder head
Application	Cleaning and drying after machining prior to leak testing
Production	Up to 10 parts per hour
Cleanliness	Caterpillar specification #1E2500D
Dryness.....	100% dry

Features

Benefits

Non-marking power and free conveyor is used to convey parts	No rolling or sliding metal contact with machined surfaces
Workpiece rotates 360° in immersion as well as power spray stage.....	All surfaces are exposed to cleaning solution and blow-off nozzles
Positive flushing of passages is performed	Ensures effective chip removal from critical oil and fuel passages
Pick and place load/unload	Workpiece is placed on a pallet to eliminate sliding contact of fireface
Large access door	Ease of maintenance
Magnetic chip filter	Keeps solution free of cast iron fines
SS304 piping and filtration	Ensures that the toughest cleaning specs are met
Regenerative blow-off	High-pressure (70" W.C.) air knives dry complex workpieces without adding excessive heat; reduces energy consumption
Chip baskets	Remove coarse contamination from solution before it is returned to tank; reduces tank clean- out frequency