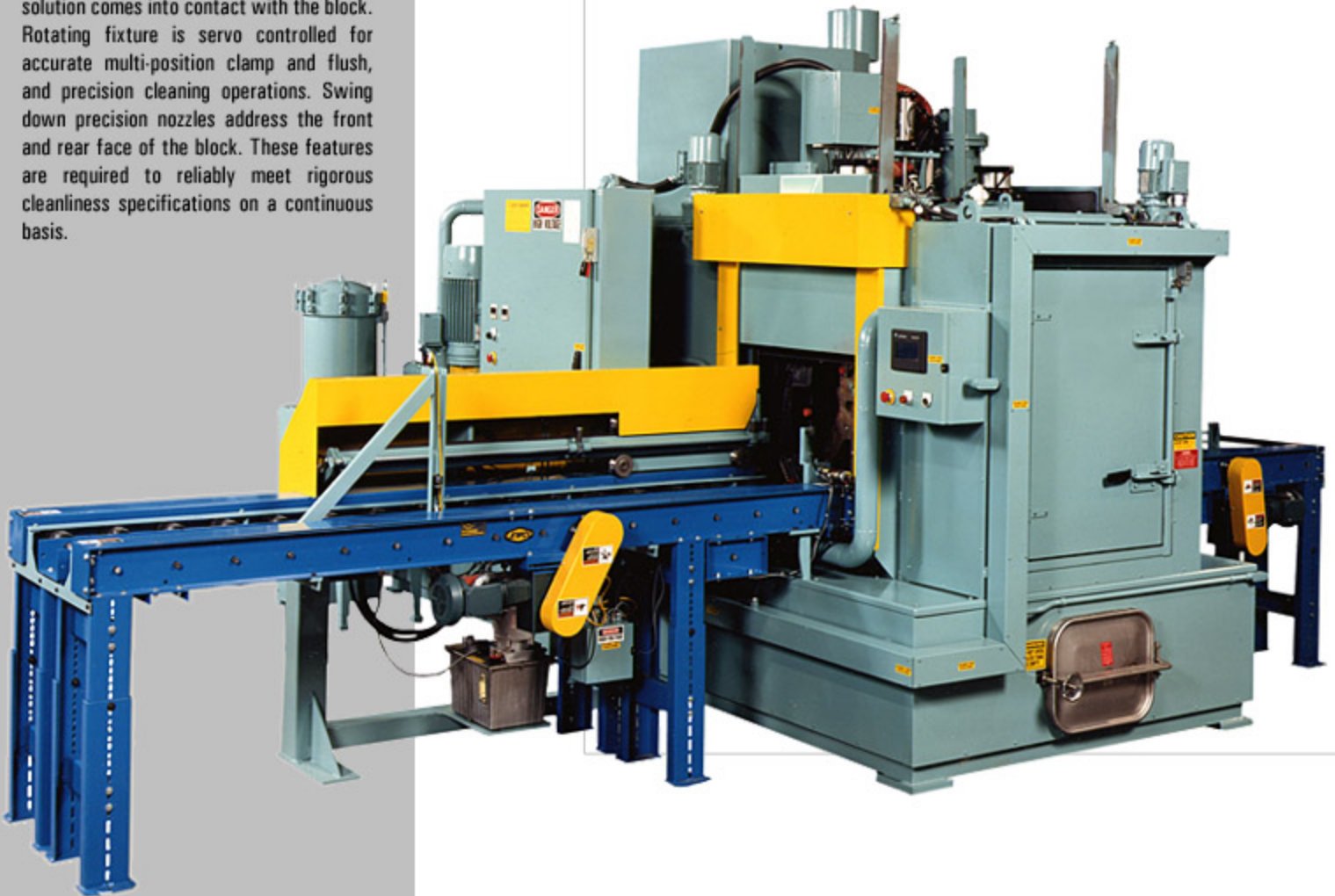


PRECISION ENGINE BLOCK WASHER

Unlike most systems where workpieces are immersed directly into the solution tank, Proceco's innovative rotary spray immersion design ensures that only filtered solution comes into contact with the block. Rotating fixture is servo controlled for accurate multi-position clamp and flush, and precision cleaning operations. Swing down precision nozzles address the front and rear face of the block. These features are required to reliably meet rigorous cleanliness specifications on a continuous basis.



PRECISION ENGINE BLOCK WASHER

MODEL # SI RW-G-D

Scope

Customer	Tier 1 supplier of engine blocks
Workpiece	CAT C9, 6 cylinder cast iron cylinder block
Application	Cleaning and drying after machining prior to leak testing
Production	Up to 10 parts per hour
Cleanliness	Caterpillar specification #1E2500E
Dryness	100% dry

Features

Benefits

Non-marking power and free conveyor is used to transport parts	No rolling or sliding metal contact with machined workpiece surfaces
Workpiece rotation	Provides maximum exposure to spray cleaning and blow-off nozzles, and ensures complete draining for better drying
Flooded work chamber for immersion cleaning	Ensures that all surfaces, including internal cavities, are exposed to cleaning solution
Chip basket	Remove coarse contamination from solution before it is returned to tank; reduces tank clean-out frequency
Positive flushing of passages is performed	Ensures precision cleaning of passages and effective chip removal from cavities
Batch type process	Permits individual cycle time adjustment of different stages for fine-tuning to provide maximum process efficiency
Lift-out workpiece rotator	Allows for retooling and easy maintenance
Large access door	Easy maintenance
Magnetic chip filter	Keeps solution free of cast iron chips
SS304 piping and filtration	Ensures that the toughest cleaning specs are met