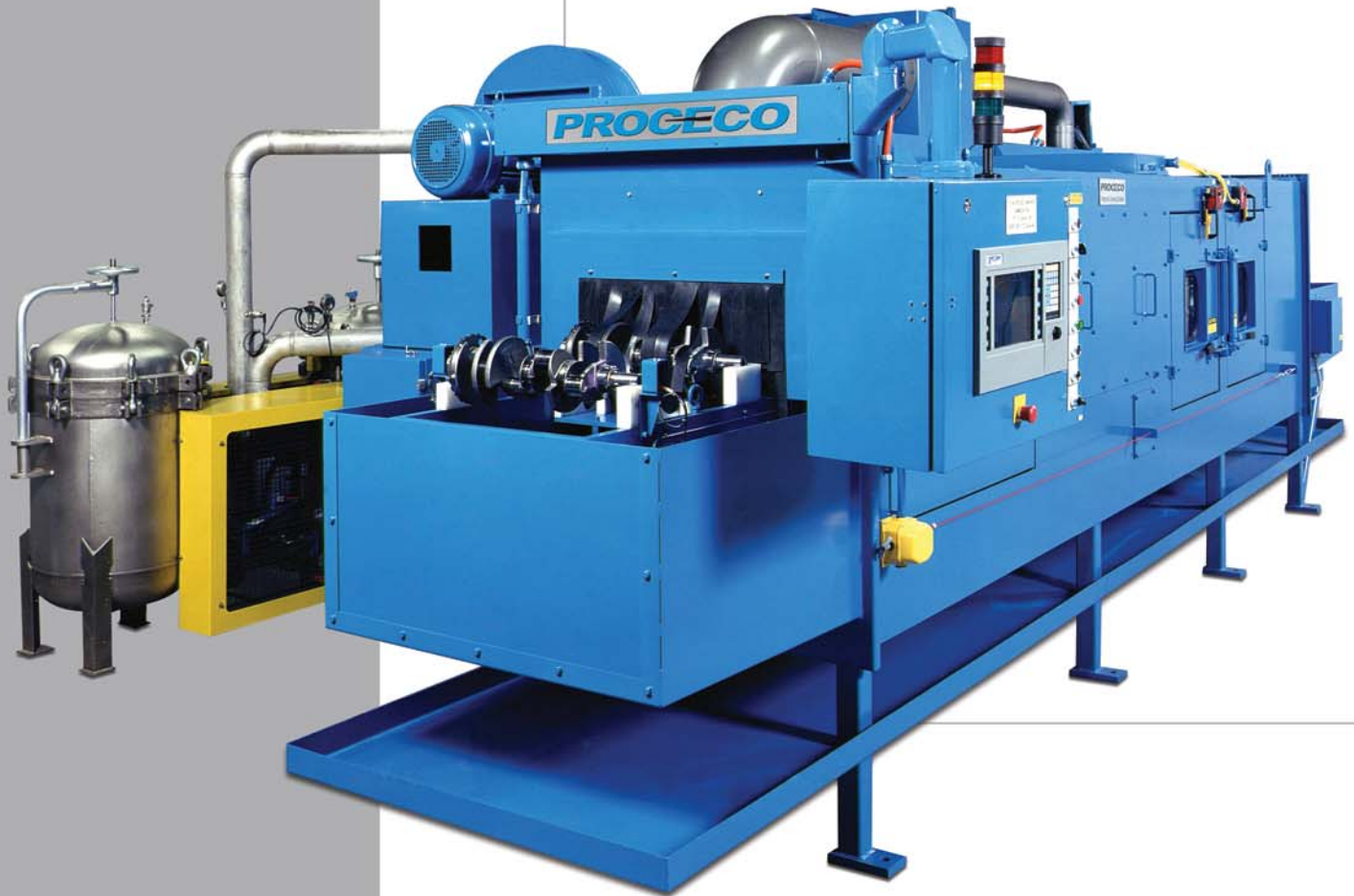


Crankshaft Cleaning System with Walking Beam

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Powered flushing manifolds for blow-off stage, clamp on main bearings to force air through oil passages.



Crankshaft Cleaning System with Walking Beam

Scope

Customer.....	Automotive OEM
Workpiece.....	4.8 & 6.0L V-8 Crankshafts
Application	Cleaning after polishing & gauging; prior to assembly
Production	100 pieces/hour at 100% efficiency
Contamination	Machining Fluids and polishing residue
Cleanliness	1 mg/part in oil holes, 12mg/part on exterior
Dryness	100% dry
Maximum part temperature at exit.....	90 °F

Features

Benefits

2-stage process

Recirculated spray wash

Blow-off

High volume, medium-pressure centrifugal blow-off	Improve dryness without adding heat to part
All piping downstream of the main wash pump is of stainless-steel 304 construction	Eliminates any possibility of workpiece recontamination by piping corrosion and reliably maintains cleanliness standards
Hydraulically-actuated walking beam for part transfer.....	Provides accurate part position for power flushing in wash / blow-off and for robotic loading / unloading
Part rotates 180 degrees during the blow-off stage.....	Maximizes drying of the part by draining counterweight holes
Powered flushing manifolds for wash and blow-off stages	Provides effective cleaning and drying by forcing water and air through oil passages

Technical Data

Conveyor width	24" / 610 mm
Recirculated solution operating temperature.....	100°F / 40°C
Wash tank volume	900 USgal / 3,411 liters
Wash pump capacity.....	450 USgal/min @ 70 psi

