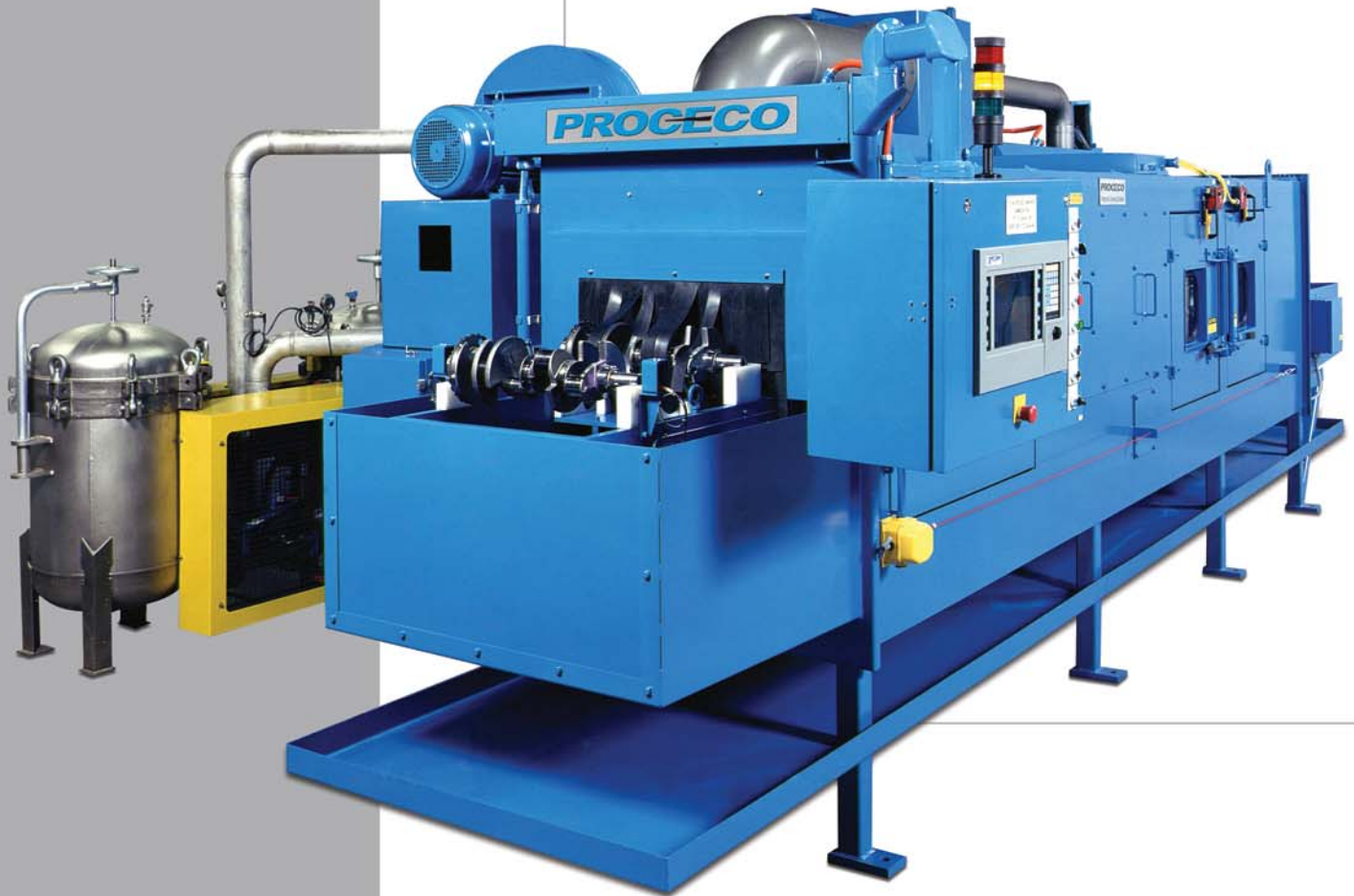


## Crankshaft Cleaning System with Walking Beam

▲  
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

