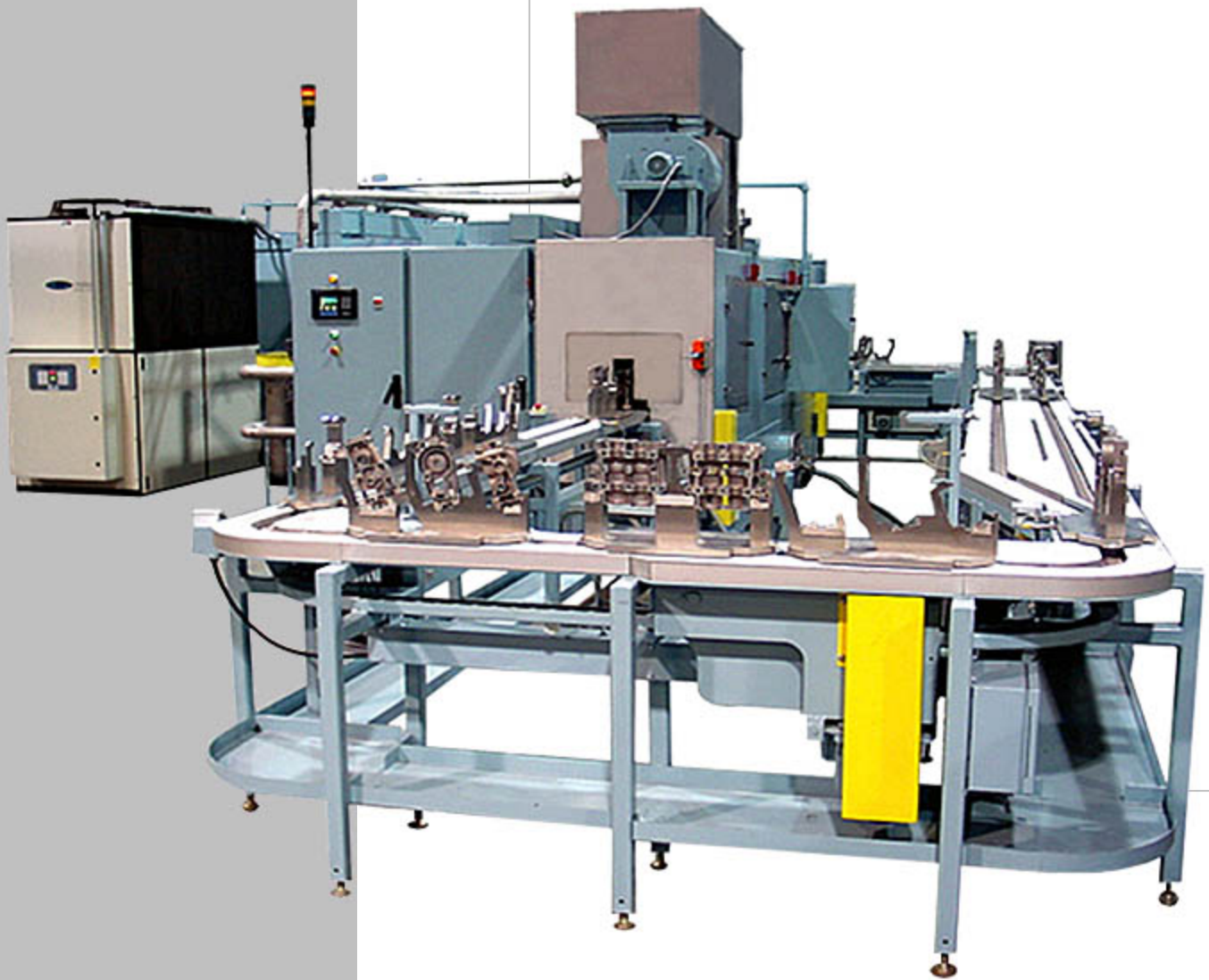




## Palletized Clean and Deburr System with Integrated Material Handling

Rotary high-precision nozzles provide universal patterns for deburring part surfaces.



**PROGECO**<sup>®</sup>  
Integrated Cleaning Solutions

# PALLETIZED CLEAN AND DEBURR SYSTEM (INTEGRATED MATERIAL HANDLING)

## MODEL # ICW 12 × 12-8DW-BO-SS

### Scope

Customer.....	Tier 1 supplier of engine components to automotive OEMs
Workpiece.....	Aluminum oil pump assembly consisting of: 3 oil pump components mounted on 1 pallet 2 housing halves mounted on 1 pallet
Application .....	Clean, deburr and dry after machining prior to additional machining and assembly
Production .....	144 pallets (77 assemblies)/hour.
Cleanliness .....	5mg/part, 1.2 x 0.25 x 0.25 mm maximum particle size
Dryness.....	Dry for handling purposes only; not to drip excessive water

### Features

### Benefits

Stainless steel 304 construction.....	Long life, chemical resistance and eliminates corrosion that could contaminate workpieces
Ambient temperature operation.....	Saves energy, improves operator environment and safety
Neutral pH chemistry .....	Operator safety and eliminates the need for a rinse
Duplex bag filters.....	Clogged bags can be changed without stopping production
Chip baskets.....	Remove chips before they enter solution tank
Rotary high-pressure nozzles.....	Universal pattern cleans and deburrs all surfaces
Precision high-pressure nozzles .....	Deburr critical surfaces
Regenerative air blow-off.....	Removes the excess water without using compressed air
Precision compressed air blow-off .....	Dries blind threaded holes and critical orifices
Demister exhaust system.....	Eliminates exterior ducting to simplify installation
Power and free conveyor system.....	Provides material handling and management by transporting palletized workpieces between washer and other stations in the manufacturing cell
PLC control and MODEM .....	Provides remote diagnostic capability for easy troubleshooting