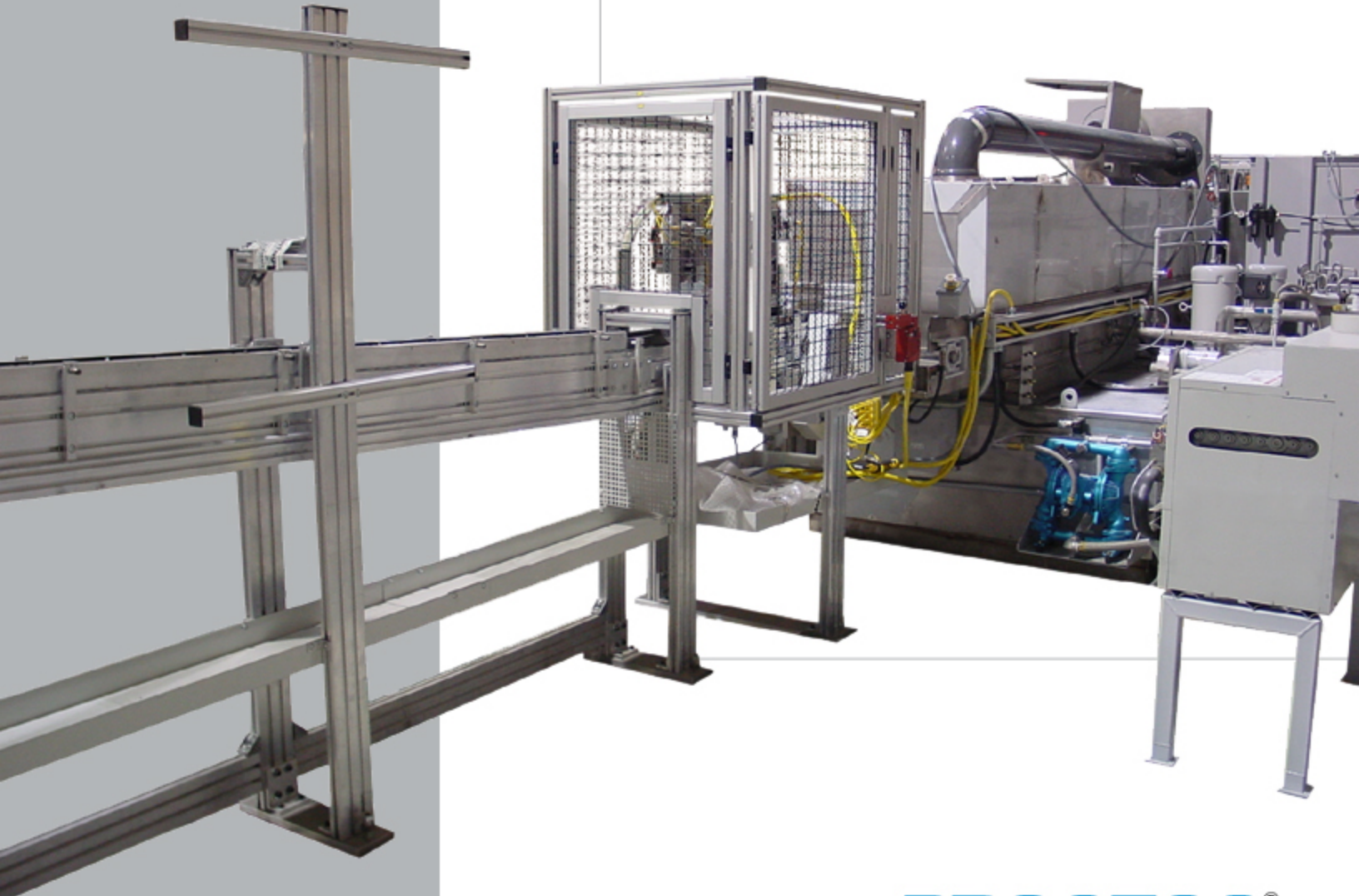




## PRECISION CLEANING AND INK JET CODING OF CONNECTING RODS

▲  
Stainless-steel woven mesh belt maximizes spray exposure under part. Rolled belt construction eliminates chance of scratching microfinished surfaces.



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

# Precision Cleaning and Ink Jet Coding of Connecting Rods

## MODEL # MBCW 4W-2R-HBO-SS-G

### Scope

Customer.....	Tier 1 supplier of automotive parts
Workpiece.....	Connecting rods
Application .....	After microfinishing/prior to packaging
Production .....	720 parts per hour
Cleanliness .....	Maximum particle weight per part; 10 mg
Dryness .....	100% drying

### Features

### Benefits

Precision-aimed nozzles.....	Allow for effective cleaning of surfaces and threaded holes
Blow-off between wash and rinse.....	Minimizes solution crossover from wash to rinse
Gas-fired hot water heating system.....	25% increase in efficiency over standard packaged gas burner and inexpensive solution to providing gas heat for high-altitude application
Siemens 57102M with Magellis XBT operator interface.....	Enunciator diagnostics quickly lead operator to potential problems
Counterflow water make-up, wash tank is automatically filled by rinse tank water. Rinse tank only receives fresh water .....	Maintains cleanest rinse possible
Multiple air knives at exit of washer .....	Ensure parts are sufficiently dry prior to ink jet coding
Duplex double-capacity bag filters installed on wash and rinse stage with warning lights .....	Signals operator to change bag filters without stopping the machine. Double capacity allows for longer period between bag changes
Cartridge filtration installed on wash and rinse .....	Guarantees cleaning specification
Manual eight-point lubrication system.....	Centralizes and facilitates greasing of required components
Load and unload automation .....	Eliminates the need for manual loading
Ink jet coding system.....	Matches two halves of rod for identification during engine assembly
Speed sensor on conveyor drive .....	Ensures reliable printing quality