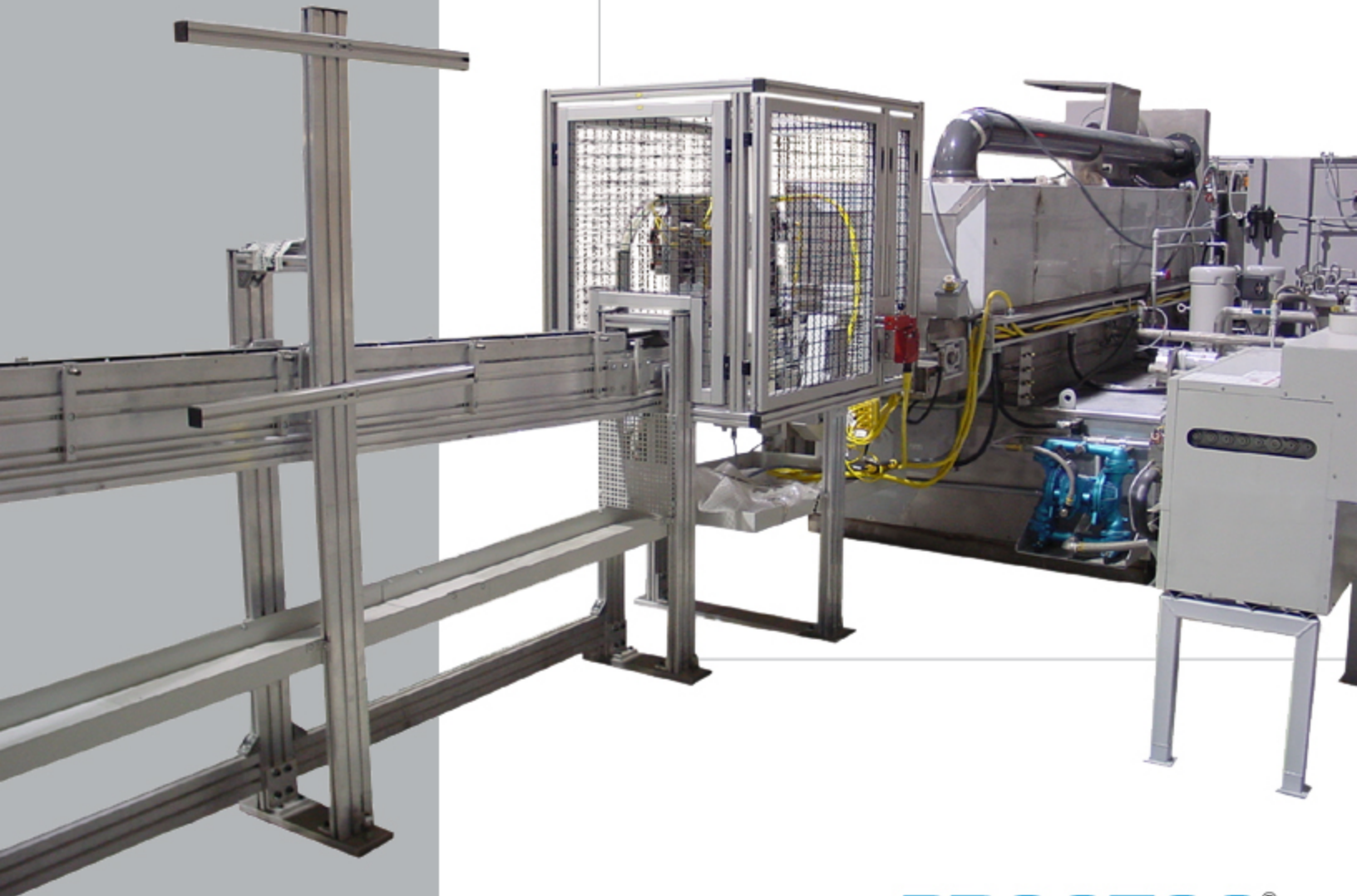




PRECISION CLEANING AND INK JET CODING OF CONNECTING RODS

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



PROGECO[®]
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