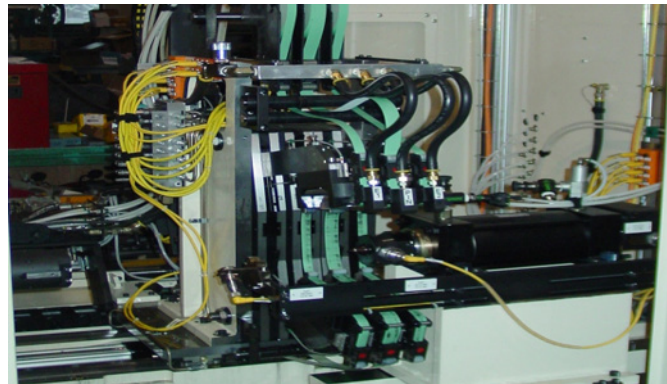


# 140 - XT:XE

## Horizontal Microfinishing System

**IMPCO**  
Microfinishing



### MACHINE OVERVIEW

#### Machine Summary

- Flexible process low/high production
- Repair work option
- PLC or CNC controlled
- Maximum part length 760mm
- Maximum part diameter 80mm
- Flexibility between part type variation

#### Machine Services

- Manufactured to customer specifications

#### Automation Configuration

- Automated [XT] or manual load [XE]
- Equipment can be integrated into production environment
  - Gantry
  - Robot

#### Microfinishing Features

- Various part type Microfinishing
- Microfinishing levels – GBQ I or II
- Main, pin and oil seal features
- Optional thrust wall Microfinishing

#### Microfinishing Components

- Camshafts
- Crankshafts
- Balance shafts
- Printing drums
- Pump gears

#### Filtration System Available

- Coolant filtration, water or oil based

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# 140 - XT:XE

## Horizontal Microfinishing System

**IMPCO**  
Microfinishing

### Worldstar Machine

- Flexible - low volume machine for either low production or off-line repair
- Ergonomically designed for both operator and maintenance

### Standard Solution

- Standard Worldstar arm pack with rigid wear plates incorporating IMPCO GBQ process
- Arm pack configured to support cycle
- Front mounted indexer assemblies allow efficient monitoring and adjustable indexing of the film

### Standard Tooling Solution

- GBQ tooling feature as standard along with fool proofing
- GBQ shoes with both hard and soft shoes
- Machine is designed with tool change feature and operation to ease and reduce changeover time
- Reduction and removal of high and low frequency chatter
- Reduction and removal of profile waviness
- Removal of ferrite caps on cast-iron workpieces
- Profile generation around oil hole edges

### Range of Application

The Worldstar 140 was developed as a flexible low volume Microfinishing machine

### Special Processes

- Flexible part processing of key features
- Machine shoe and film change at front of machine
- Auto tape indexer
- Safety/dry floor guarding with access doors
- Reversible part rotation
- Variable speed oscillation
- Variable speed rotation
- Variable finishing pressure
- Easy tooling access

**IMPCO**  
**WORLDSTAR**<sup>TM</sup>  
Microfinishing Systems

ISO-9001:2015 CERTIFIED

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