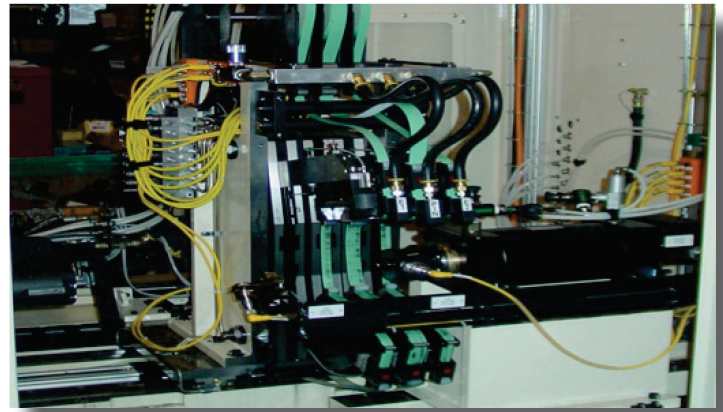


140 - XT:XE

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 76mm
- 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



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



ISO-9001:2015 CERTIFIED

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