

1340 - XT:XE

Horizontal Microfinishing System

IMPCO
Microfinishing



MACHINE OVERVIEW

Machine Summary

- Flexible process low/high production
- PLC or CNC controlled
- Flexible drive solutions
- Internal part handling system
- Maximum part length 635mm
- Maximum Microfinish length 600mm
- Minimum bearing C/L to C/L 38mm
- Maximum bearing diameter 65mm
- Front load/unload film
- Multiple stations

Machine Services

- Manufactured to customer specifications

Automation Configuration

- Automated (XT) or manual load (XE)
- Shuttle transfer through machine
 - Auto load to shuttle with gantry or robot
 - Manual load/unload shuttle

Microfinishing Features

- Various part type Microfinishing
- Microfinishing levels – GBQ I or II
- Oil seal diameter
- Optional thrust wall
- Optional brush deburr
- Cam lobe finishing

Microfinishing Components

- Camshafts
- Transmission input/output shafts
- Balance shafts

Filtration System Available

- Coolant filtration, water or oil based

Flexible Machine Process

- Quick changeover between part type
- Dry floor guarding

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WWW.IMPCO.COM

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Worldstar Machine

- Modular design allows multiple standard bases to be configured into a solution.
- Ergonomically designed for both operator and maintenance.

Standard Solution

- Standard Worldstar arm pack with rigid wear plates incorporating IMPCO GBQ process.
- 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 change over time.

Special Processes

- Utilize the GBQ Microfinishing process.
- 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 1340 was developed by the customer for the customer and the global distribution of this product has meant over 25 million components have been successfully produced.

Our continuous development in this proven product has allowed IMPCO to generate a robust and reliable system that incorporates the latest process change.

The Worldstar 1340 has become the global reference for crankshaft Microfinishing.



ISO-9001:2015 CERTIFIED

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