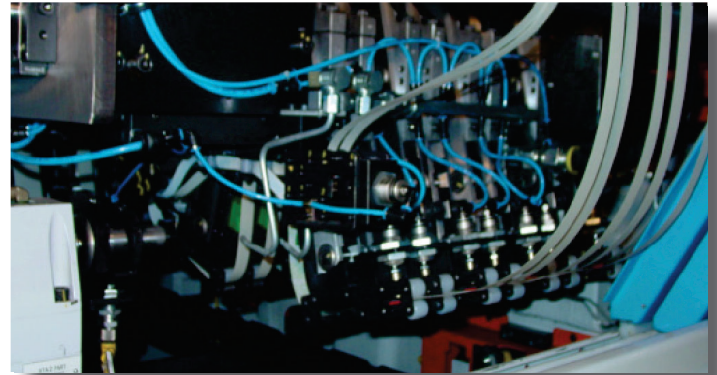


1740 - XT:XE

Horizontal Microfinishing System

IMPCO
Microfinishing



MACHINE OVERVIEW

Machine Summary

- Flexible process high/low production
- Through-feed machine with optimum cycle time
- Flexible drive solutions
- Maximum part length 635mm
- Maximum Microfinish length 600mm
- Maximum bearing C/L to C/L 38mm
- Maximum bearing diameter 65mm

Machine Services

- Manufactured to customer specifications

Automation Configuration

- Automated [XT] or manual load [XE]
 - Lift & carry transfer through
 - Auto load/unload to transfer with gantry or robot

Microfinishing Features

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

Microfinishing Components

- Camshafts
- Transmission input/output shafts
- Balance shafts

Filtration System Available

- Coolant filtration, water or oil based

Flexible Machine Concept

- Quick changover between part type
- Dry floor guarding

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1740 - XT:XE

Horizontal Microfinishing System



Worldstar Machine

- Architecture can allow for a flexible design when multiple stations are required
- Ergonomically designed for both operator and maintenance

Standard Solution

- Side mounted retractable arm pack, allows for easy shoe and tape change along with maintenance access

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

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 1740 was developed by the customer for the customer and the global distribution of this product has meant over 50 million components that 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 technologies.

The Worldstar 1740 has become the global reference for camshaft Microfinishing.



ISO-9001:2015 CERTIFIED

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