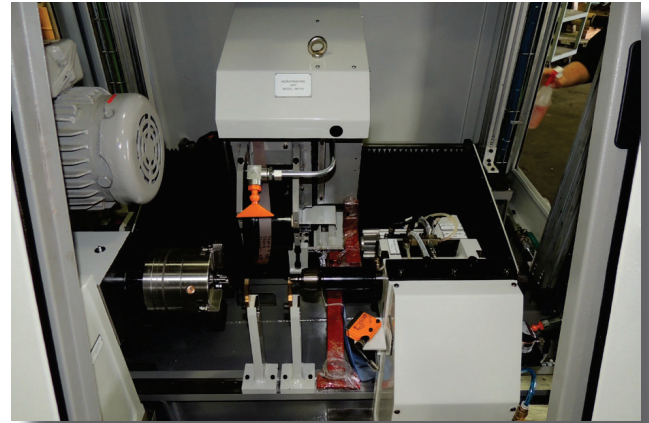


# Microteq

## Horizontal Microfinishing System

**IMPCO**  
Microfinishing



### MACHINE OVERVIEW

#### Machine Summary

- Flexible process low/high production
- Repair work option
- Full CNC controlled, programmable process
- Servo drive attachment
- Maximum part length 1,000mm
- Maximum part diameter 100mm
- Flexibility between part type variation

#### Electric and Pneumatic

- Manufactured to customer specifications

#### Automation Configuration

- Manual or auto load/unload
- Equipment can be integrated into production environment
  - Gantry
  - Robot
- Automatic door opening at the end of machine cycle

#### Microfinishing Features

- Multiple diameter and length processing
- Microfinishing levels to <math><Ra\ 0.05</math>

#### Microfinishing Components

- Camshafts
- Balance shafts
- Printing drums
- Pump gears
- Transmission shafts
- Turbine shafts
- Aerospace actuators
- HVOF coated diameters

#### Filtration System Available

- Coolant filtration, water or oil based

IMPCO. 3417 W. St. Joseph St., Lansing, MI 48917. USA

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# Microteq

## Horizontal Microfinishing System



### Base

Machine base is a fabricated steel base, well gusseted for strength and rigidity. All bases are 100% leak tested to ensure 'dry floor' environment.

### Enclosure

- Guarding assembly
- Electric monitoring of front door
- Automatic door for loading/unloading at end of cycle

### Headstock

Standard headstock unit with variable speed spindle drive, heavy duty ball bearing construction and ceramic coated spindles on all seal contact areas.

### Electrical Control System

- Machine HMI designed to meet customer requirements
- Machine diagnostics
- Easy writing of part program through generic recipes with process parameters

### Component Specification

The proposed machine uses an IMPCO Microfinishing attachment, fitted to linear rails and driven by servo motor for positioning.

Components are held between centers through driver detail from the headstock and supported via a live center from the tailstock. The machine is designed to Microfinish different diameters and locations along varying components.

**ISO-9001:2015 CERTIFIED**

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