



"MICRO" Series Machine - Model #0610-18



This full-featured machine is designed primarily for small parts with bores ranging from 2 mm to 20 mm. The reduced footprint is ideal for easy installation, and where floor space is at a premium.

Superior to Honing

Engis single-pass, superabrasive bore finishing systems are the more cost-effective choice - over conventional honing - for virtually any bore finishing application and workpiece material. Utilizing the single-pass process, extremely tight tolerances can be held reliably and consistently in a production environment, at a lower overall cost per finished piece. Plus, utilizing Engis diamond-plated and superabrasive bore finishing tools, these systems are capable of achieving - in blind, semi-blind and thru bores - bore geometries to within 0.5µm.

BORE FINISHING

MICRO BORE FINISHING MACHINE

Standard features:

- Servo fed column design
- 250 mm stroke
- Pneumatic index table
- Mitsubishi full CNC controls
- 19.05 mm diameter spindles
- Pre-lubed for life slides and ball screw
- Full perimeter guarding
- Capable of processing 2 parts per cycle

Benefits:

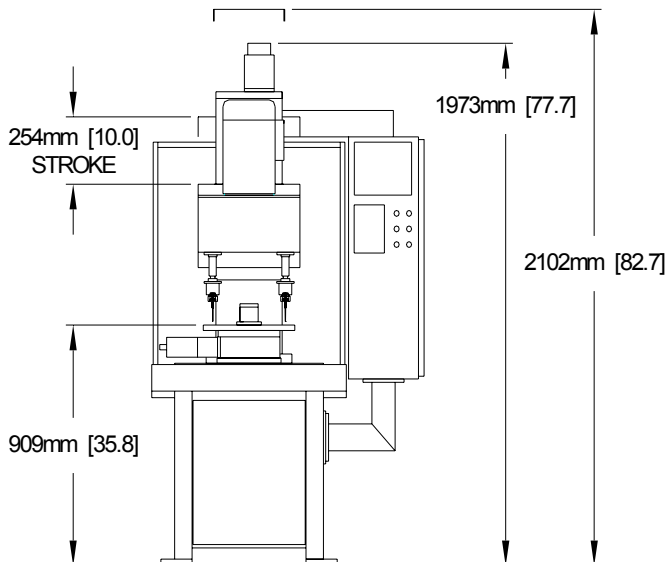
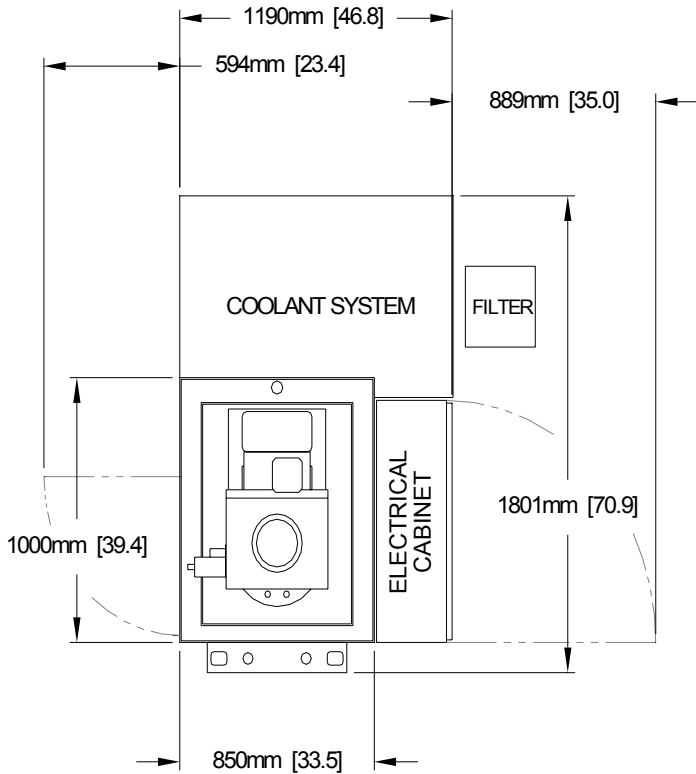
- Reduced floor space
- Lower labor costs through automated finishing
- Lower cost per hole through long tool life
- Predictable, consistent results
- Improved bore quality
- Fewer rejects
- Less frequent part inspection
- Shorter cycle times
- Higher production rates
- SPC value > 2.0 Cpk

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems
105 W. Hintz Road., Wheeling, IL 60090-6038
Tel: 847.808.9400 • Fax: 847.808.9430 • Toll Free 800.99.ENGIS
www.engis.com



"MICRO" Series Machine - Model #0610-18



Specifications:

Machine Weight:	2,090 lbs/950 kg
Air Pressure:	90 psi/5cfm
Power:	220V 50/60Hz 3Pz
Indexer Diameter:	400 mm
Z-axis Travel:	250 mm
Max. Rapid Speed:	890 cm/min
Spindle Motor:	5 HP
Spindle Speed:	100-3,000 rpm
Spindle Diameter:	19.05 mm
Spindle Nose to Table Max:	500 mm
Tools:	4, 6 or 8
Controller:	Mitsubishi
Programming	G-Code

Options:

- Coolant/Filtration System (various models available - paper, cartridge, magnetic)
- Standard and custom work holding systems
- Rotary manifold for pneumatically activated clamping
- Spindle crash protection
- Solid tool holder, with or without crash protection
- Floating tool holder, with angle modification, with or without crash protection
- Enhanced safety features including light curtains and locking door switches
- Automation - complete solutions including Robotic or Pick-and-Place systems
- Integrated "pre" and "post" gauge systems
- Separate brushing station available



BORE FINISHING

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems
 105 W. Hintz Road., Wheeling, IL 60090-6038
 Tel: 847.808.9400 • Fax: 847.808.9430 • Toll Free 800.99.ENGIS
 www.engis.com

BF-061018-001-0507