



Air Bearings Limited
Via Mechanics Group

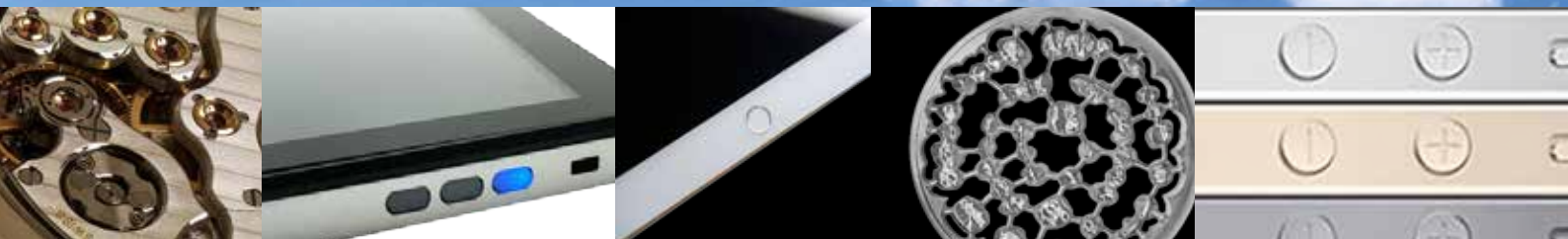
MM125B Manual

Micro-Machining Air Bearing Spindle



Micro-Machining Air Bearing Spindle

Your best partner for the next generation of machine tools



www.airbearings.co.uk

Air Bearings Limited

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MM125B Manual

Micro-Machining Air Bearing Spindle

MM125B

- Low Runout
- High Power AC Motor
- Manual Collet ER11 System
- Variety of collet sizes available
- Range of fittings to suit customer requirements

Measurement	MM125B
Speed Range	0 - 125,000 RPM
Motor Power	1.5 kW
Radial Load Capacity (Static)	90 N
Axial Load Capacity (Static)	250 N
Dynamic Runout	<5 µm
Vibration at front of spindle	<3.5mm/s
Air Supply Pressure	5.5 - 6.0 kgf/cm ²
Air Consumption	65 - 70 NI/min
Coolant Flow	>1.5 l/min (Water)
Coolant Inlet Temp	15 - 19 °C
Spindle Mass	4.0 kg
Collet Sizes (Ø)	ER11 0.5-7.0mm
Collet Clamping Torque	>180 Ncm (450 Ncm**)

APPLICATIONS

- Precision Component Manufacture (brass, aluminium...)
- Glass Grinding and Engraving
- Die Mold Finishing (Stainless Steel)
- Graphite Machining - EDM Electrode



The next generation of technology requires the next generation of machine tools and that is why ABL have developed the **Micro-Machining** Air Bearing Spindle range. Ideal for routing, grinding and finishing as used in mobile phone, touchscreen and dental crown manufacture.

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