

GSI

WESTWIND®

TM



M320: 80,000 rpm

M320 Features

- Light-weight design
- Reduced maintenance
- Low vibration
- High coolant flow body

The Westwind M320 80,000 rpm spindle is the ideal tool for PCB drilling and routing, designed to deal with a variety of applications including fine hole drilling, light internal grinding, light milling, engraving and routing.

The M320 is a powerful unit, capable of drilling holes in stacks of PCBs up to ¼" (6.35mm) diameter as well as performing routing functions and being able to drill reasonably small holes at 80,000 rpm. It has a standard PCB drilling body diameter of 2.437" and can be fitted to any OEM drilling machine with minimal modifications.

The Westwind M320 has a pneumatic auto tool change facility and options are available for either a removable collet system or collet cartridge, perfect for poor maintenance applications. In addition, the M320 is also fitted with an integral liquid-cooled high frequency electric motor.

Specification: M320

Speed range	20,000 - 80,000 rpm
Drill range	6.35mm (max.)
Bearing air supply pressure	80 psig (5.6 kg/cm ²)
Air consumption	2.5 SCFM (70.5 l/min)
Approx Weight	16 lb (7.3 Kg)
Axial failure load	41 lbs (18.7 Kg)
Coolant flow	11 Imp Gal/hr (0.8l/min)
Coolant inlet temperature	60° - 68°F (16° -20°C)
Drilling capacity	Up to 1/4 (6mm) Dia.
Input	(3 phase) 180V @1333Hz
Power output	440 watts @ 30,000 rpm
Radial Failure Load	9.5 kg (21 lb) @ 36,000 rpm
Routing capacity	Up to 1/8 (3mm) Dia.

About Westwind:

Westwind Air Bearings is a world leader in air bearing spindle systems. In today's PCB drilling industry there are more Westwind spindles in use than any other. Westwind's head office is based in the UK, with additional office & manufacturing facilities in the People's Republic of China, Taiwan and Japan. Furthermore, service and sales support is available worldwide through our extensive network of approved service centres. Westwind is a division of GSI Group.

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