



Air Bearings Ltd

**AW300A
PCB DRILLING SPINDLE**



**Air Bearings Ltd
1 Witney Road
Poole
Dorset
BH17 0GH
United Kingdom
+44 (0)1202 680 805
sales@airbearings.co.uk**

www.airbearings.co.uk

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AW300A 300,000 RPM PCB DRILLING SPINDLE

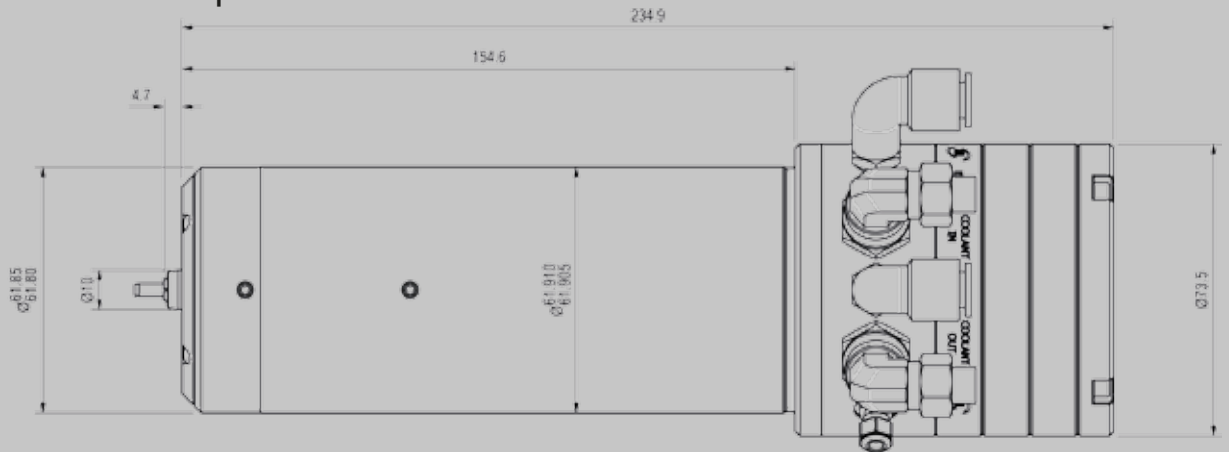
- HIGH SPEED
- HIGH ACCURACY
- LOW COST
- LOW MAINTENANCE

ABL's engineering expertise now offers you the capability of PCB drilling at speeds of up to 300,000 rpm with the AW300 series of spindles.

The higher spindle speeds available allow for increased productivity whilst ensuring that accuracy and repeatability is maintained.

Advanced analysis and detailed design has created a spindle with exceptional reliability and increased efficiency. ABL's extensive testing and quality control procedures further guarantee that these spindles will perform at their optimum design capacity throughout their lifetime.

These spindles are available in a number of body options to suit customer requirements.



* Dependant on model
 † Measured 10mm from of collet
 ‡ Ø2mm collet also available
 ** Measured at end of collet

Speed range	20,000 - 300,000 rpm
Motor power	470W @ 300k rpm
Air Pressure*	6.1 ~ 7.1 kgf/cm ²
Coolant	Water \ oil
Coolant flow	2 l/min
Coolant input temperature	15~20°C
Dynamic runout [†]	<7µm
Drill size	Max Ø3.2mm
Mass	2.9 kg
Collet size [‡]	Ø1/8"
Max axial load	124N
Max static radial load**	40N

ABL reserves the right to change specifications without notice

ABL has been manufacturing dedicated PCB drilling spindles since 1993. Situated on the south coast of England, ABL operates from a 4600m² purpose built facility.

For more information visit.....

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