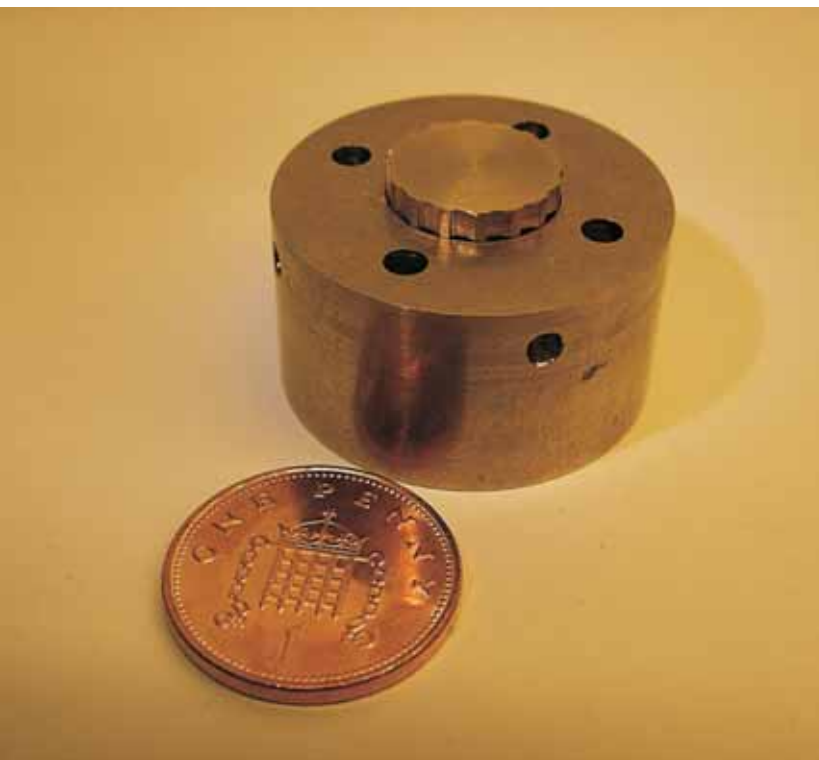




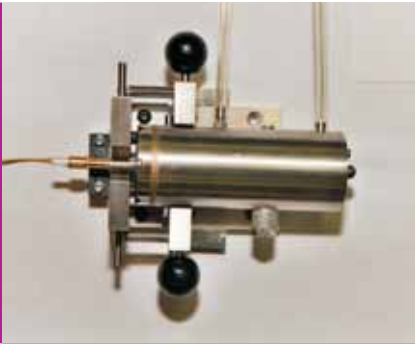
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Cranfield Precision UK



Cranfield Precision
SMALL AIR BEARING SPINDLE
Miniature Air Turbine
Maintenance Free

→ Miniature Air Bearing Spindle

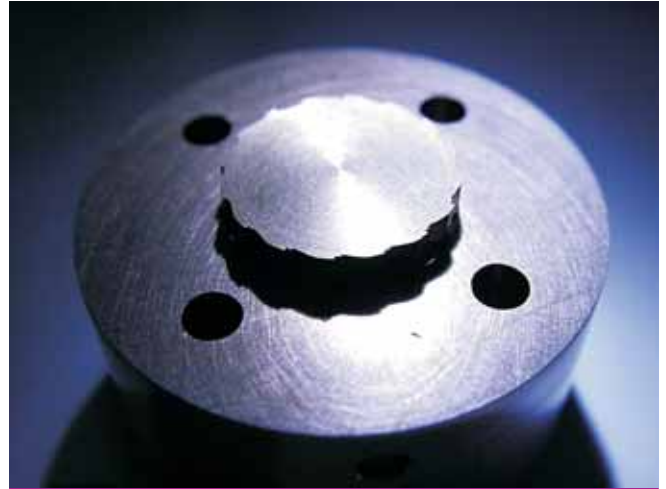


Cranfield Precision's small air bearing spindle is only 35mm diameter and 103mm long. In this small space Cranfield Precision has incorporated high precision air bearing technology as well as a small air turbine for driving the spindle. An additional feature of this spindle is that it also contains a linear slide, which allows for an axial stroke of several millimetres.

Initially developed for Electro-Discharge Machining, the available speed range also makes the spindle suitable for other machining applications in a restricted space. The combination of air bearings and air turbine drive mean that the spindle is maintenance free and only requires a clear air supply for operation.

The main features of the small air bearing spindle are:

- ▶ Size - 35mm diameter x 103mm long
- ▶ High speed range (up to 30,000rpm)
- ▶ Only air supply is required for operation
- ▶ Kinematic mount for highly repeatable on-machine location
- ▶ Maintenance-free air bearings
- ▶ Clean room compatible



Miniautre Air Bearing Turbine



Small Air Bearing Spindle



CERT. NO. 920237