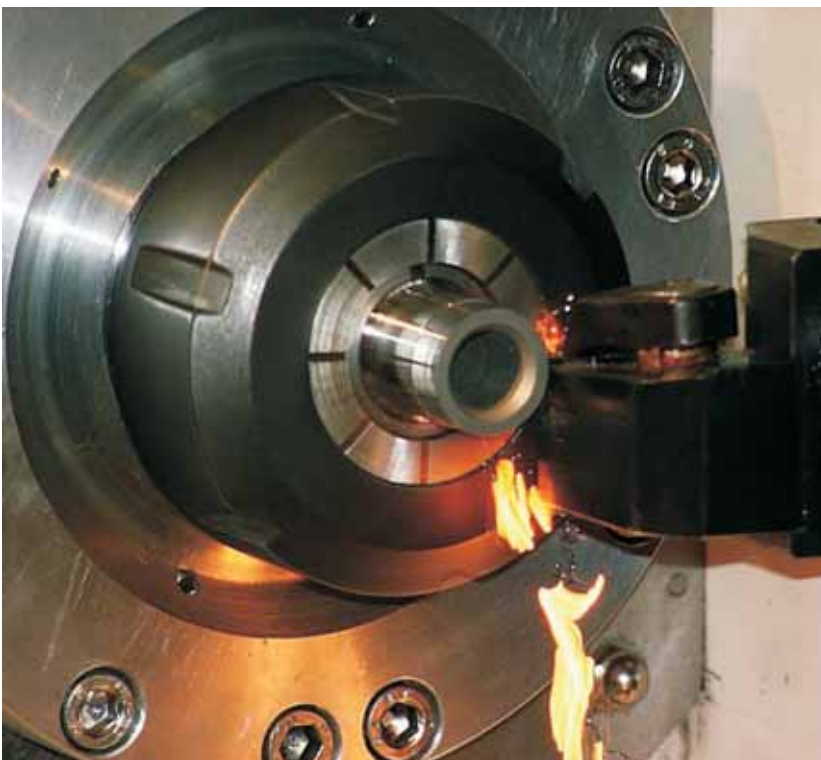




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# Cranfield Precision UK



Cranfield Precision  
**HIGH SPEED SPINDLE**  
High Precision Machine Tools

→ High Speed Spindle



## Cranfield Precision Product

### Specification:

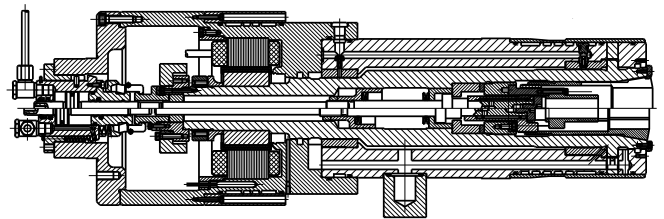
- ▶ Peak torque 10Nm
- ▶ Speed range 0-15000rpm
- ▶ Continuous torque 5Nm
- ▶ Integral motor cooling jacket
- ▶ Load capacity at spindle nose:
  - Radial 370kg
  - Axial 320kg
  
- ▶ Stiffness:
  - Radial 200N/um
  - Axial 440N/um
  
- ▶ Error motion:
  - Synchronous < 100Nm.
  - Asynchronous < 75Nm (system dep.)
  
- ▶ Hydrostatic supply pressure 35 bar

### Options:

- ▶ Encoder for C-axis capability
- ▶ +/-0.01 C 35 bar hydraulic power pack
- ▶ Integral drawbar mechanism



High Speed Hard Turning



Shown with integral drawbar,  
cooling jacket, collet mechanism  
and encoder

