

CNCmaster



Product Description

Machining unit with CNC controlled stroke for drilling and tapping.

Spindle speed up to 10'200 rpm with AC motor and interchangeable pulleys.

Usable stroke up to 75 mm (2.95") at variable feed rate 0-12 m/min (0-36 ft/min)

Thrust 5000 N (1100 lb.).

Motor power 1.5 kW or 1.8 kW. Electrical protection IP 55 class.

Digital technology without limit switches.

Advantages & Applications

Design

Ready to use, very compact 1-axis CNC unit.

Preloaded ball bearing. Nut is mounted directly on the quill to minimize back lash.

High precision feed rates and positioning accuracy of 0.001 mm (0.00041").

Tool Holder Systems

Standard unit with ER 32 high precision collet tool holder system for 0.01 mm (0.0004") TIR.

Optional tool holder systems are available.

All spindle tool holder systems are adaptable from the front and do not require a complete disassembly.

Optimal for [carbide tools](#):

- mechanical, constant feed rate (stable cutting conditions).
- coolant through the spindle (chip removal and heat dissipation).
- high rigidity and motor power (required torque).
- very high precision.

Options

Product Range

BEA 14:



Drilling up to 14 mm (9/16") in ST 50 (mild steel).

Special applications: Tapping up to 12 mm (1/2") in ST 50 (mild steel).

Max. thread pitch 2 mm (0.08").

Spindle speed 470 - 10'200 rpm.

Max stroke 81 mm (3.189") at 0-12 m/min. Useable stroke 75 mm (2.95").

ECN 1 and 2:



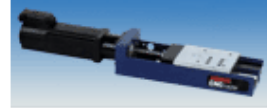
1-axis CNC control unit for BEA 14.

Ready for work with internal or external program keyboard.

Coolant through the spindle system.

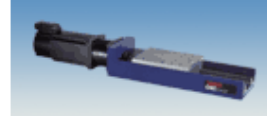
A second servo motor can be utilized for the spindle and synchronised by the CNC control unit for tapping applications.

UA15-AC:



Stroke 160 mm.
Thrust 3500 N (771 lb.).
Single guide rail.
Saddle 70 mm (2.7") height.
Mechanical feed with ball screw drive, peak drive torque 4 Nm (35.4 Inch-lbs.).

UA30-AC:



Stroke 200 mm.
Thrust 6000 N (1322 lb.).
Double guide rail.
Saddle 85 mm (3.3") height.
Mechanical feed with ball screw drive, peak drive torque 12 Nm (106.2 Inch-lbs.).