

**MONOmaster**



**Product Description**

Self feed machining units with pneumatic feed & hydraulic brake cylinder for feedcontrol and electric drive.

Speed 35 - 9600 rpm.

Stroke 80, 100 or 200 mm (3 1/4", 4", 8"), controlled stroke 25, 50, 75 or 200 mm (1", 2", 3", 8").

Optional built-in peck-feed.

Thrust from 700 - 1470 - 2880 - 8200 N (154 - 326 - 638 - 1843 lb.).

Motor power from 0.375 kW to 6.6 kW.

With pneumatic or electric proximity switches.

Special executions with hydraulic feed system available.

**Advantages & Applications**

Machining unit suitable for drilling and light milling with limited side loads.

Low maintenance requirements.

Small size (footprint).

**Design**  
Modular design, may be adapted to your specific application.

Cast iron housing and rigid design for heavy duty applications.

Hard chrome plated and ground spindle for durability.

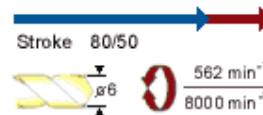
Adjustable motor housing 4x90° and [direct drive system](#) available.

Minimal spindle deflection for maintaining close positioning tolerances.

**Tool Holder Systems**  
Precision bearings and ER collet type.  
Toolholder for 0.02 mm (0.0008") TIR measured at 25 mm (1") from the collet. (TIR stands for "total indicated runout").

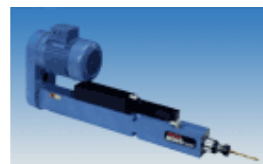
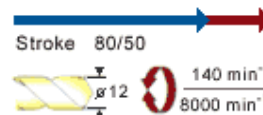
**Product Range**

**BEM 6:**



Up to 6 mm (1/4") in ST50 (mild steel).  
Up to 8 mm(1/3") in aluminum 400 N/mm<sup>2</sup>.

**BEM 12:**



Up to 12 mm (1/2") in ST50 (mild steel).  
Up to 15 mm(3/5") in aluminum 400 N/mm<sup>2</sup>.

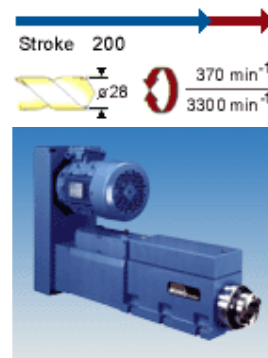
**BEM 20:**

Automotive toolholder system for quick tool change with pre-set tools.



Up to 20 mm (5/8") in ST50 (mild steel).  
Up to 25 mm(1") in aluminum 400 N/mm<sup>2</sup>.

### BEM 28:



Up to 28 mm (1 1/8") in ST50 (mild steel).  
Up to 34 mm(1 3/8") in aluminum 400 N/mm<sup>2</sup>.

For higher drilling capacity or coolant through the spindle refer to [POWERmaster](#).