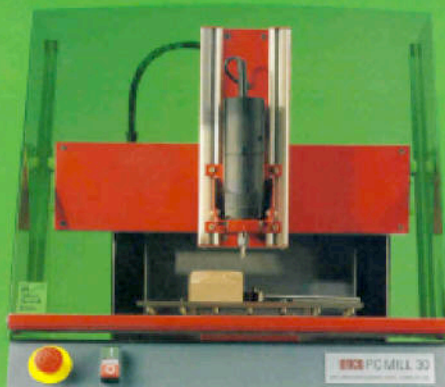


EMCO PC Mill 30



PC-controlled 3-axis milling machine for the introduction to CNC technology

Together with our specific CAD/CAM software, the PC Mill 30 provides 3D milling without computer knowledge! In a very short time the students are able to process workpieces on their own. Rapidly gained skill increases motivation, which leads to success in learning.

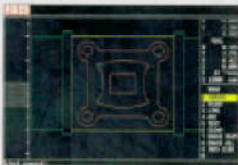


emco

Technologien. Einfach. Gut.

The Idea

The PC Mill 30 complements our range of compact turning machines. The PC Mill 30 is particularly suited for becoming quickly familiar with modern CMC production techniques. Programming knowledge is not required for operation. The PC Mill 30 is controlled by a commercial PC by means of our special CAD/CAM software.



New part with computer control

The Machine

- 3-axis milling machine
- infinitely variable main drive
- spindle speed up to 30,000 rpm
- ball screws for X, Y and Z axis
- automatic reference point
- enclosed machining area

The Software

- Computer-aided design
- Automatic and/or manual NC program creation
- Representation of working space with tool, unmachined part and vice
- Integrated tool library
- 3D-representation of machined part
- Direct take-over of drawings of other CAD systems (DXF-format)

Technical Data

Working area	
Stroke longitudinal (X)	12.2"
Stroke transverse (Y)	8.6"
Stroke vertical (Z)	9.5"
Milling table	
Table surface (L x D)	11" x 9.5"
Milling spindle	
Manual tool change	
Main drive	
Spindle motor DC	3/4 HP
Speed range infinitely variable	1000 - 3000 rpm
Feed drive	
Step motor on x, y, z axis	
Rapid drive	20"/min
Feed	0.001"/rev
Safety device	
Fully enclosed work area, automatic switch, door limit switch, emergency off switch	
Machine dimensions	
(L x D x H)	23.6" x 24.8" x 21.6"
Weight	88 lbs.
PC minimum configuration	
IBM compatible PC 286, 1 MB main memory, hard disk, 3.5" disk drive, VGA or VGA graphics card, RS 232 serial board, MS-DOS version 5.0	



Simulation of the production



3D Representation of the finished component

EMCO BOHRER CORPORATION
2797 Bunker Parkway
Columbia, OH 43201-0138
TEL: (614) 771-5994
FAX: (614) 771-5830



emco

Technologien. Einfach. Gut.