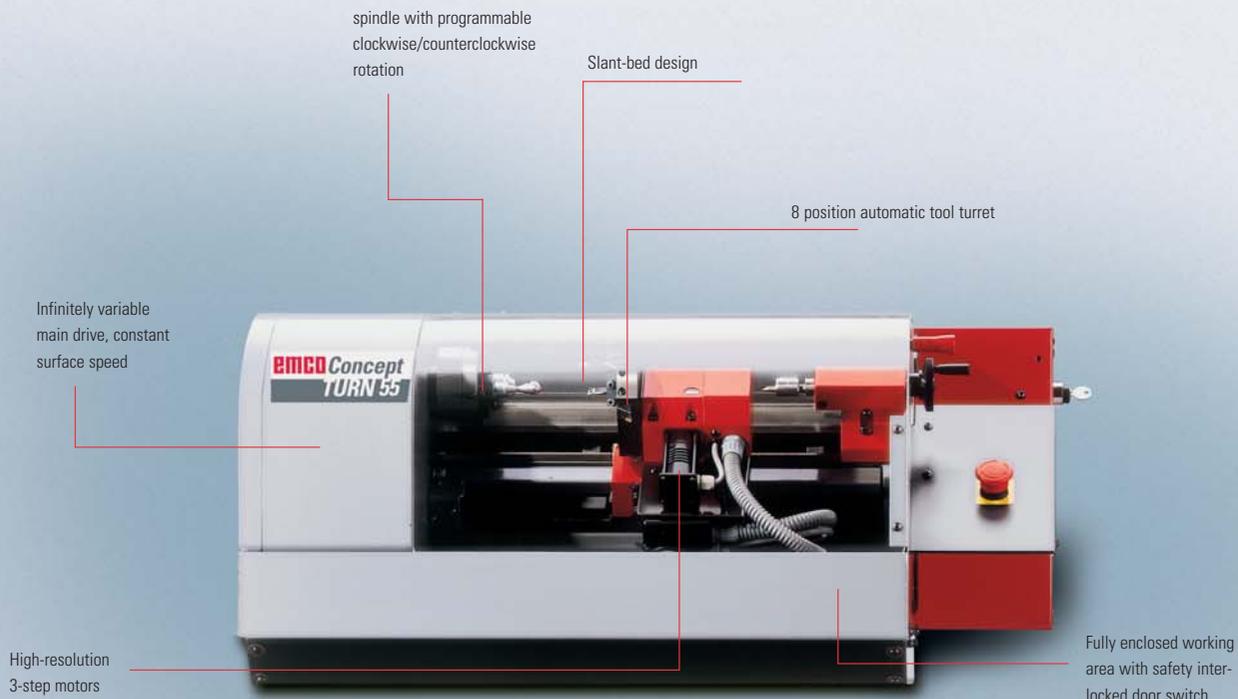
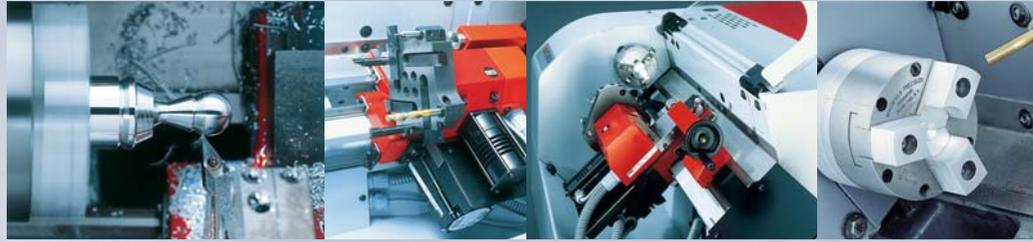


# Concept TURN 55

Technical Data	Concept TURN 55
<b>Working area</b>	
Swing over bed	130 mm (5.1")
Max. machining diameter	52 mm (2")
Distance between centers	335 mm (13.2")
Traverse paths X/Z	48/236 mm (1.9/9.3")
Rapid traverse	2 m/min (78.7 ipm)
<b>Main drive</b>	0.75 kW (1 hp)
<b>Speed range</b>	120–4000 rpm
<b>Tool stations</b>	8

The Concept TURN 55 is a PC-controlled 2-axis CNC table-top lathe complying in structure and function to the industrial standard. All modern CNC functions and processes can be explained and demonstrated in a true-to-life manner. Practical simplification, a well designed machine concept and ease of operation allow for successful learning.





**The technology.** The Concept TURN 55 combines a rugged design with extremely sturdy construction and the latest electronics. Similar to CNC production machines, the lathe's core components consists of a machine bed, tailstock, headstock work holding and cutting devices and the best possible view of the cutting process. The Concept TURN 55 easily meets the requirements of everyday training. The working area is fully enclosed for maximum safety.

**The interchangeable control unit.** A PC (optional), in which various industrial control software or the EMCO CAD/CAM system, WinCAM, are installed to control the machine.

### Features

The Concept TURN 55 enables all machining options of a modern CNC production machine:

- Facing
- Turning
- Contouring
- Plunge-cut/crop
- Threading
- Drilling
- Direct drive via WinCAM

### Options

- Pneumatic chuck
- Electromechanical tailstock
- Automatic door system
- Integration into FMS and CIM system with DNC and robotic interface

### Fast Facts

- Industrial slant-bed design
- 8-station tool turret
- Spindle with clockwise/ counterclockwise rotation
- Infinitely variable main drive
- Constant surface speed
- Automatic reference points
- Fully enclosed working area
- Safety equipment in compliance with CE regulations

### Options and accessories

- Personal computer
- Control keypad with TFT display
- Machine base



The control-unit-specific keyboard module (option) can be easily replaced to match the control software.

