

HYPERTURN 45

High-performance turning center for complete machining

emco group

Designed for your profit

[Upper tool turret]

- 12-station tool turret
- VDI25 quick-change system
- 12 driven tool positions
- Servo-controlled
- Rigid tapping
- Polygonal turning, etc.

[Y-axis]

- Travel +40/-30 mm
- True 90° implemented Y-axis
- Wide guide clearances
- Stable, compact construction

[Control]

- Ergonomically placed
- Siemens Sinumerik 840D/SL
- LCD color monitor

[Main spindle]

- Integrated spindle motor (ISM) water cooled
- High drive power - 14 kW
- High torque - 90 NM
- Wide speed range - 0-7000 U/min
- Highly dynamic
- Bar capacity \varnothing 45 mm

[Compact machine design]

- Requires little space

[Lower tool turret]

- 12-station tool turret
- VDI25 quick-change system
- 12 driven tool stations
- Servo-controlled
- Rigid tapping
- Polygonal turning, etc.

[Counter spindle]

- Integrated spindle motor (ISM) water cooled
- High drive power - 14 kW
- High torque - 90 NM
- Wide speed range - 0-7000 U/min
- Highly dynamic
- Bar capacity \varnothing 45 mm (Option)

[Chip conveyor]

- Hinged type conveyor
- Ejection height 1200 mm
- Integrated coolant tank 300 l
- Turret pumps: 2x14 bar
- Flushing pumps: 2x3,7 bar

[NEW]

[Highlights]

- Extremely dynamic main and counter spindle
- Thermally symmetrical machine design
- Highly dynamic drive (digital technology)
- Latest CNC technology - Sinumerik 840D Solution Line
- Stable Y axis with 70 mm travel
- 2 tool turrets with 24 tool positions
- Solid machine base
- Made in the Heart of Europe

[Technical data]

emco group

Designed for your profit

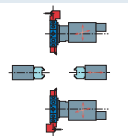
HYPERTURN 45

Work area	
Max. bar diameter	Ø 45 mm (1.8")
Travel in X/Z/Y	160 / 510 / +40/-30 mm (6.3" / 20.1" / +1.6"/-1.2")
Distance between spindle noses	720 mm (28.3")
Max. turning diameter	Ø 300 mm (11.8")
Main spindle / counter spindle	
Drive power Main and counter spindle	14 kW (18.8 hp)
Speed range Main and counter spindle	7000 rpm
Maximum torque	90 Nm (66.38 ft/lbs)

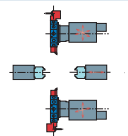
Turret	
Number of tool stations	2x12 / VDI 25
Number of driven tools	2x12 (DIN 5480)
Drive power	4 kW (5.4 hp)
Maximum torque	16 Nm (11.80 ft/lbs)
Maximum speed / driven tools	6000 rpm
Feed drives	
Rapid motion speed in X/Z/Y	24 / 30 / 10 m/min (944.9 / 1181.1 / 393.7 ipm)

EMCO HYPERTURN 45 versions

Hyperturn 45 SM-plus is the basic version with main and counter spindles, two tool turrets with driven tool stations



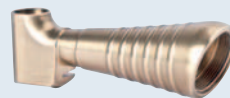
Hyperturn 45 SMY-plus with additional Y axis in upper slide system



Support screw connection
(brass)



Distributor
(brass)



Dental contra-angle handpiece
(brass)



Shaft
(stainless steel)

www.emco-world.com