

SHORT DELIVERY TIME MACHINE

BASICTURN 1250 C2

BASICTURN 1250 C2 is a vertical turning center designed for efficient turning, boring, threading, drilling, milling or grinding of components. The machine enables external and internal surfaces to be machined and faces to be turned at constant cutting speed. The machine is equipped by a controlled "C" rotary table axis, live spindle drive and automatic exchange of adapters into the ram.

MACHINE FEATURES

- Control system: SINUMERIK 840D sl
- Manual table with 4 built-in jaws
- Ram: 200 × 240 mm
- Disc tool magazine: 12 places
- Maximum height of workpiece: 1 400 mm
- Maximum workpiece diameter: 1 400 mm
- Maximum weight of workpiece: 8 000 kg



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MAIN TECHNICAL PARAMETERS

Working range

Maximum turning diameter	1400 mm
Maximum workpiece diameter	1400 mm
Maximum height of workpiece	1400 mm
Maximum workpiece weight	8000 kg

Table

Table diameter	1250 mm
Main motor power output	44 kW
Infinitely variable speed range in Turning mode	2 – 400 rpm
Max. torque on the table in Turning mode; S1/100%	14510 Nm
Rotating table feed in Milling mode	0,01 – 7,4 rpm
Max. torque on the table in Milling mode; S1/60%	6500 Nm

Travels

Rail-head working travel (X-axis) left / right from table centre	-80 / +1100 mm
Ram working stroke (Z axis)	1060 mm
Ram section	200 x 240 mm
Max. cutting force on the rail head	45000 N
Vertical travel of cross rail (in steps 100 mm) (9 steps)	800 mm

Live Spindle

Speed range	4-3000 rpm
Maximum power output Siemens	22 kW
Torque max.	840 Nm

Feeds (infinitely variable)

Max. working feed	4000 mm/min
Feed per revolution (up to 4000 mm/min)	0,001 – 50 mm/rev
Feed at threading (up to 4000 mm/min)	0,001 – 400 mm/rev
Rapid traverse	12 m/min