



TECHNICAL SPECS

WORKING AREA

Table load capacity	1000 kg
Number of T-slots	5 positions
T-slots, width	18 mm
T-slots, spacing	100 mm
Table dimensions	1200 mm x 600 mm
Spindle axis-to-table surface distance	150 mm - 650 mm

TRAVELS

Travel X-axis	1100 mm
Travel Y-axis	600 mm
Travel Z-axis	500 mm

HEADSTOCK

Spindle mount	HSK-A63
Spindle speed	16000 1/min

RAPID FEED

Rapid feed X-axis	36000 mm/min
Rapid feed Y-axis	36000 mm/min
Rapid feed Z-axis	36000 mm/min

FEED

Work feed X-axis	1 mm/min - 20000 mm/min
Work feed Y-axis	1 mm/min - 20000 mm/min
Work feed Z-axis	1 mm/min - 20000 mm/min

ACCURACIES

Repeatabilities	± 0,005 mm
Positioning accuracies	± 0,005/300 mm

DRIVE CAPACITY

Motor rating main drive	25 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	3.1 m x 2.3 m x 3 m
Weight	11500 kg

TOOLING

Tool size Ø x L (max.)	50 mm x 250 mm
Tool-change time tool/tool	4 sec
Tool-changing time chip/chip	8 sec

TOOLCHANGER

Number of tool stations	20 positions
Tool weight max.	12 kg
Tool-changer type	Tellertyp

PRODUCT DETAILS

- 16,000 rpm
- 20-station disk tool changer, change time 4 sec
- Rapid speed up to 36 m/min
- HSK-A63 mount
- 25 kW headstock motor
- Automatic tool gauging, incl.
- Motor spindle with roller bearings (built-in-spindle) ensures maximum stability, axial and radial rigidity for high-speed machining
- One-piece bridge and rigid base are made of Meehanite cast-iron to ensure maximum geometric accuracy and dynamics
- Linear roller guide systems for X, Y and Z axes
- Large precision preloaded ball screws are directly coupled to the drive motors
- The preloaded ball screws feature an inside cooling system; a control system ensures minimum temperature fluctuations even at the highest feed speeds
- Large work space for easy tooling of parts

STANDARD EQUIPMENT

siemens 810 D power line
20-station tool changer
cooled preloaded ball screws on 3 axes
tool measuring system
chip blow-out system
control cabinet with heat-exchanger
chip conveyor
central lubrication
RS-232 interface
operating tools
feet and bolts