



Vertical Machining Centers X.mill 450

SKU : 181366



TECHNICAL SPECS

WORKING AREA

Table dimensions	700 mm x 260 mm
Table load capacity	200 kg
Spindle nose-to-table surface distance	80 mm - 500 mm
Spindle center - column	330 mm
Number of T-slots	3 positions

TRAVELS

Travel X-axis	450 mm
Travel Y-axis	260 mm
Travel Z-axis	420 mm

HEADSTOCK

Spindle speed	10000 1/min
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Torque, constant	24 Nm

FEED

Rapid feed X-axis	12000 mm/min
Rapid feed Y-axis	12000 mm/min
Rapid feed Z-axis	12000 mm/min
Work feed X / Y / Z axis	0 mm/min - 10000 mm/min

TOOLING

Number of tool stations	12 positions
Tool Ø	90 (150) mm
Tool length (max.)	250 mm
Tool weight max.	8 kg
Tool-change time tool/tool	1.8 sec

ACCURACIES

Repeatability	0.008 mm
Positioning accuracy	0.006 mm

DRIVE CAPACITY

Main drive, continuous load	3,7/5,5 kW
Total power consumption	10 kVA

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.11 m x 1.78 m x 2.25 m
Weight	1800 kg



PRODUCT DETAILS

The proven X.mill series for streamlined and cost-effective machining

Machine Design

- Solid cast-iron machine body integrates many years of experience and state-of-the-art technology
- All axes run on premium, totally enclosed linear guideways and precision preloaded ball screws for high accuracy and low friction
- The wide machine table features 3 T-slots and 200 kg load capacity
- The work area is easily accessible through wide opening doors

Spindle

- The spindle is supported by multiple bearings to ensure excellent absorption and dissipation of forces during machining
- An ST 40 spindle mount provides maximum rigidity and allows a wide selection of tools
- Includes a high-quality belt-driven spindle unit with speeds up to 10,000 rpm

Tool Changer

- A 12-station tool changer provides for increased productivity, flexibility and safety during machining
- The horizontal design does not require additional grippers, is very robust, and can handle very heavy tools

Control

- The Siemens 828D control with Siemens drives is the optimum solution for demanding milling jobs

Equipment

- An electronic hand-wheel simplifies machine set-up
- Electronics are protected within a fully enclosed control cabinet, and a powerful heat exchanger manages the temperature
- Der Arbeitsraum ist komplett gekapselt und kann problemlos mit einer Absaugung ausgerüstet werden
- Zur Reinigung der Werkstücke und des Arbeitsraumes stehen Handsprühpistolen für Kühlmittel und Druckluft zur Verfügung
- An automatic central lubrication system reliably supplies all lubrication points and simplifies maintenance

STANDARD EQUIPMENT

Siemens 828D control
 Karussell Typ 12-fach Werkzeugwechsler
 Geschlossener Arbeitsraum (ohne top cover)
 Automatische Zentralschmierung
 Kühlmittleinrichtung
 Kühlmittel-Handsprühpistole
 Druckluftpistole
 Wärmetauscher für elektr. Schaltschrank
 Elektronisches Handrad
 Arbeitsleuchte
 3-farbige Signalleuchte
 Bedienwerkzeug
 Operator instructions

OPTIONAL EQUIPMENT

- SKU : 254265
- SKU : 254266
- SKU : 254267
- SKU : 254268
- SKU : 254269

- SKU : 254270