



KAT. Č. : 422895

The X.mill series is the latest generation of our vertical machining centres with modern, powerful CNC control from Siemens. Vertical machining centres such as this series offer outstanding value for money. A wide range of accessories allows you to adapt them to your specific requirements.

- Siemens 828 control system
- High-quality components and complete equipment
- Designed for multi-shift operation

TECHNICKÉ ÚDAJE

PRACOVNÍ PROSTOR

Rozměry stolu	1000 mm x 550 mm
Zatížitelnost stolu	500 kg
Vzdálenost hlava vřetena - horní strana stolu	120 mm - 620 mm
Vzdálenost středu vřetena - sloup	560 mm
Počet drážek T	5 positions
Drážkami T (šířka x rozteč)	18 mm x 90 mm

DRÁHA POJEZDU

Dráha pojezdu - osa X	800 mm
Dráha pojezdu - osa Y	550 mm
Dráha pojezdu - osa Z	550 mm

HLAVNÍ VŘETENO

Otáčky vřetena	10000 1/min
Upnutí vřetena	SK40

RYCHLÝ CHOD

attributes.MEG-000060.MER-002814	32000 mm/min
Rychlý chod v ose Z	24000 mm/min

POSUV

attributes.MEG-000060.MER-002815	10000 mm/min
----------------------------------	--------------

NOSIČ NÁSTROJŮ

Počet nástrojových míst	24 positions
Velikost nástroje Ø x délka (max.)	75 mm x 150 mm

PŘESNOSTI

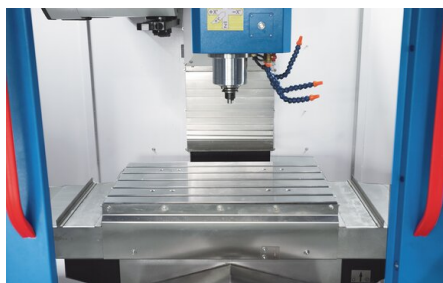
Polohovací přesnost X/Y osy	± 0,004 mm
Opakovaná přesnost - osa X/Y	± 0,002 mm

VÝKONY POHONŮ

Hlavní pohon, konstantní zatížení	11 kW
-----------------------------------	-------

MÍRY A VÁHY

Rozměry	3.7 m x 2.25 m x 2.25 m
Hmotnost	5200 kg



SZCZEGÓŁY PRODUKTÓW

Design and Construction

- The X.mill has been designed from the ground up to ensure reliable performance in a production environment and consistent results in day-to-day operation
- All axes move on high-quality, fully enclosed linear guides and precision ball screws, ensuring high accuracy and low static friction
- The worktable offers great flexibility for workpieces of various sizes. Travel ranges from 600 mm to 1100 mm are possible along the X-axis
- The workspace is clearly laid out, and access to controls has been optimised to keep set-up and configuration times as short as possible in day-to-day production
- The entire design is engineered to be low-maintenance and easy to service, even under heavy, continuous use ("Daily Worker")

Main spindle and drives

- The multi-bearing spindle ensures effective absorption and dissipation of the forces generated during machining
- The high-quality, belt-driven spindle unit enables a wide speed range of up to 10,000 rpm
- The SK 40 spindle mount is characterised by its stability and wide range of tools

Automatic Tool Changer

- The 24-position tool changer increases productivity, flexibility and safety during machining
- Thanks to the vertical design with double-arm gripper, each tool change can be carried out quickly and the discarded tools are stored in a space-saving manner
- The heavy-duty design ensures robustness and allows for high tool weights

Equipment

- The electronic handwheel makes it easier for the operator to set up the machine
- The electronics are optimally protected in the closed control cabinet, and a powerful heat exchanger takes care of temperature management
- The workspace is completely enclosed and can easily be equipped with an extraction system
- Hand spray guns for coolant and compressed air are available for cleaning workpieces and the work area
- The automatic central lubrication system reliably supplies all lubrication points and facilitates machine maintenance

Controller

The Siemens 828D control system with Siemens drives is the top specialist for demanding milling operations

This machine comes factory-fitted with high-quality options: in addition to a spindle cooler and spindle-through cooling (CTS 20 bar), it is pre-fitted for a 4th axis.

STANDARDNÍ VÝBAVA