

COD PROD. : 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



DATE TEHNICE

DOMENIUL DE LUCRU

Dimensiunile mesei	1000 mm x 550 mm
Incarcarea pe masa	500 kg
Distanța axul principal - suprafața mesei	120 mm - 620 mm
Distanța dintre centrul axei - coloana	560 mm
Canale T, numărul	5 positions
Canale-T (lățime x distanță)	18 mm x 90 mm

CURSE

Cursa axa X	800 mm
Cursa axa Y	550 mm
Cursa axa Z	550 mm

AXUL PRINCIPAL

Înălțimea axului principal	10000 1/min
Conul axului principal	SK40

AVANS RAPID

attributes.MEG-000060.MER-002814	32000 mm/min
Avans rapid axa Z	24000 mm/min

AVANSURI

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

TURELA

Numărul de posturi	24 positions
Marimea sculei Ø x L (max.)	75 mm x 150 mm

PRECIZII

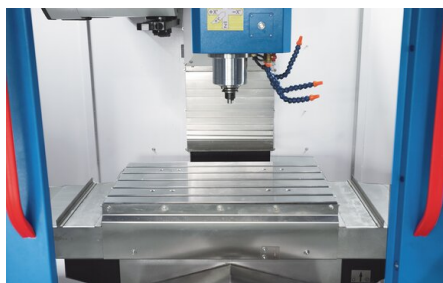
Precizia de poziționare pe axe -X / -Y	± 0,004 mm
Precizia de repetabilitate pe axe -X / -Y	± 0,002 mm

PUTEREA DE ANTRENARE

Antrenarea principală, sub sarcină constantă	11 kW
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DIMENSIUNI SI GREUTATI

Dimensiuni de gabarit (lxLxI)	3.7 m x 2.25 m x 2.25 m
Greutatea	5200 kg



DETALII PRODUS

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.

ECHIPAMENT STANDARD