



# Vertical Machining Centers X.mill 800

## SKU : 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



## TECHNICAL SPECS

### WORKING AREA

Table dimensions	39 in x 22 in
Table load capacity	1100 lbs
Spindle nose-to-table surface distance	5 in - 24 in
Spindle center - column	22 in
Number of T-slots	5 positions
T-slot (width x spacing)	0.71 in x 3.54 in

### TRAVELS

Travel X-axis	31.5 in
Travel Y-axis	22 in
Travel Z-axis	22 in

### HEADSTOCK

Spindle speed	10000 rpm
Spindle mount	SK40

### RAPID FEED

Rapid feed X / Y axis	1260 in/min
Rapid feed Z-axis	944.88 in/min

### FEED

Feed speed X / Y / Z axis	394 in/min
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### TOOL HEAD

Number of tool stations	24 positions
Tool size Ø x L (max.)	2.95 in x 5.91 in

### ACCURACIES

Positioning accuracy X- / Y-axis	± 0004 in
Repeatability X- / Y-axis	± 0002 in

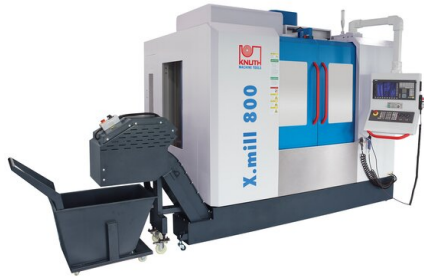
### DRIVE CAPACITY

Main drive, continuous load	14.75 Hp
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### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	146 in x 89 in x 89 in
Weight	11440 lbs

## PRODUCT DETAILS



### 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



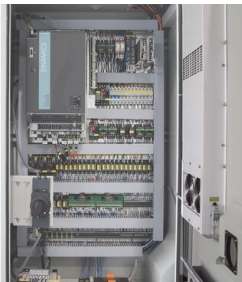
### Automatic Tool Changer

- 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.

## STANDARD EQUIPMENT

siemens 828D control  
24-position tool changer with double-arm gripper  
chip conveyor with chip container

enclosed working area (without top cover)  
automatic central lubrication system  
Coolant System  
Manual coolant spray gun  
Air gun  
Heat exchanger for electric control cabinet  
Electronic hand-wheel  
work lamp  
3-color signal lamp  
operating tools  
Operating manual  
Coolant-through-spindle system (290 psi)  
Spindle cooler