



SKU : 181371

This model is very popular with customers who are looking for a quick, inexpensive solution for smaller workshops or who want to convert from conventional to CNC machining.

- Compact design with small footprint
- Rugged built-to-last machine body
- Oil-cooled powerful main spindle
- Air-conditioned electric cabinet

TECHNICAL SPECS

WORKING AREA

Table dimensions	600 mm x 300 mm
Table load capacity	150 kg
Number of T-slots	3 positions
T-slots, width	14 mm
T-slots, spacing	100 mm
Spindle nose-to-table surface distance	100 mm - 580 mm

TRAVELS

Travel X-axis	400 mm
Travel Y-axis	230 mm
Travel Z-axis	450 mm

HEADSTOCK

Spindle speed	8000 1/min
Spindle mount	SK 40

FEED

Rapid feed X-axis	12000 mm/min
Rapid feed Y-axis	12000 mm/min
Rapid feed Z-axis	10000 mm/min
Work feed X-axis	1 mm/min - 10000 mm/min
Work feed Y-axis	1 mm/min - 10000 mm/min
Work feed Z-axis	1 mm/min - 10000 mm/min

TOOLING

Number of tool stations	12 positions
Tool Ø	50 (120) mm
Tool length (max.)	200 mm
Tool weight max.	3 kg
Tool-change time tool/tool	7 sec

ACCURACIES

Positioning accuracies	0.02 mm
Repeatability	0.01 mm

DRIVE CAPACITY

Motor rating main drive	3.7 kW
Motor rating X-axis	0.75 kW
Motor rating Y-axis	0.75 kW
Motor rating Z-axis	1 kW
Total power consumption	10 kVA

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.1 m x 1.9 m x 2.45 m
Weight	2200 kg



Rugged horizontal tool changer with 12 stations



Siemens 808D Advance control



PRODUCT DETAILS

- Reliable, compact machining center with extensive equipment for streamlined, cost-effective series productions
- Massive cast-iron machine body integrates many years of experience and state-of-the-art technology
- All axes move on premium, fully enclosed linear guideways and precision ball screws and are driven by dynamic servo-motors
- The premium spindle unit features a large tool mount and a spindle oil cooler, which are of great advantage in continuous operations
- Fast rapid feeds and rugged horizontal tool changer allow for efficient machining with minimum downtime
- The totally enclosed workspace features a large door and side doors for easy access, safety and cleanliness
- Siemens 808D control: cost-effective, easy to handle, superior reliability backed by worldwide service
- Electronic hand-wheel simplifies machine set-up
- The automatic central lubrication system ensures proper lubrication of all lube points

CONTROLS & SOFTWARE

Siemens 808D Advance control

- SINUMERIK 808D ADVANCE -- the perfect solution for modern standard machines
- CNC and drive communicate via a high-speed bus to ensure efficient positioning control plus high precision and optimum cutting performance
- This is topped by a guaranteed superior price/performance ratio
- In combination with a new generation of spindle and axis drives, the SINUMERIK 808D ADVANCE with 8.4" LCD provides an innovative ready-to-use digital CNC solution for modern standard machines

Advantages - Digital solution provides higher precision:

- Increased overload capacity supports a faster acceleration and deceleration of machine tools
- Constant cutting speeds result in an increased surface quality of the workpiece

Increased ruggedness:

- During heavy machining operations, an automatic spindle torque adjustment will help protect machining tools and spindle systems.
- The SINAMICS features a wide voltage range to prevent machine shut-downs during poor voltage supply conditions. This will significantly reduce machine down-times.

Increased operator comfort:

- A fast Ethernet connection facilitates easy start-up and diagnostics of machine tools and simplifies NC program use

STANDARD EQUIPMENT

Siemens 808D Advance control
 12-station automatic tool changer
 Electronic hand-wheel
 Coolant system
 Operational health status indicator
 Automatic central lubrication
 Enclosure
 levelling pads and bolts
 Work lamp
 Air gun
 Operating tools
 Operator instructions

OPTIONAL EQUIPMENT

- OPM 60 - Renishaw workpiece scanning probe for X-Mill 400, SKU : 253478
- TS 27 R - Renishaw tool gauging system for X-Mill 400, SKU : 253477
- Control upgrade to Siemens 828D PPU271.4 for X-Mill 400, SKU : 253475
- Ø 120 mm diam. 4th axis with Siemens 828 D for X-Mill 400, SKU : 253889