

CNC milling machine incl. complete CNC control package made by Siemens

Convincing arguments: quality, efficiency and price

- Heavy type
- High-performance drive motor 4 kW with infinitely variable electronic speed control (frequency converter) made by Siemens
- 3 step motors made by Siemens for the separate drive of the X-, Y- and Z- axis
- All axis have recirculating ball spindles with central lubrication
- Air feed for tool clamping
- All guideways with special steel covers
- Automatic lubrication of the guideways
- Recirculating ball spindle with central lubrication
- Built-in machine lamp/coolant equipment
- Tool change by the push of a button (electro-pneumatic tool clamping device)
- An electronic handwheel reduces the setting time to a minimum
- Limit stop and reference switch of contactless type (no wear of contact in the long run) (inductive)

Model	OPTI F 100 CNC
Item No	350 1103
€ (VAT excl.)	24'900.00
Features of performance	
Electrical connection	
Total driving power	5.8 kW 400 V ~50 Hz
Coolant pump	200 watts
Milling capacity	
Milling capacity cutter head (max.)	Ø 63 mm
Milling capacity end mill cutter (max.)	Ø 20 mm
Working range	410 mm
Milling accuracy	
Repeating accuracy	0,006 mm
Positioning accuracy	0,009 mm
Spindle holding fixture	
Spindle holding fixture	BT 40
Drill-mill head	
Z-axis travel	400 mm
Rate of feed/Torque motor Z-axis	1500 mm/min/12 Nm
Distance spindle - table	110 - 510 mm
Speeds	
Spindle speed	100 - 8000 rpm
Driving motor	4 kW
Cross table	
Table length	960 mm
Table width	280 mm
Y-axis travel	300 mm
Rate of feed/Torque motor Y-axis	3000 mm/min/9 Nm
X-axis travel	450 mm
Rate of feed/Torque motor X-axis	3000 mm/min/9 Nm
T-slot size/distance/number	14 mm/85 mm/3
Load (max.)	300 kg
Dimensions	
Length	1965 mm
Width	1650 mm
Height	2300 mm
Tank contents coolant	50 Liter
Net weight	1100 kg
Extent of supply	Seat of milling cutter BT 40/ER 2 7 collet chucks (3 - 12 mm) Connection cable RS 232

Most modern milling technology by using Siemens CNC control:



SINUMERIK 802S base line

- Functional and easy-to-operate control made by Siemens
- User-friendly drilling and milling cycles with graphical display
- 3 D operation optional due to CAD/CAM
- Programming according to DIN 66 025
- Contour elements as programming aid
- Cycle support for complex applications
- Deep hole drilling
- Row of holes – circle
- Row of holes – line
- Drilling, countersink
- Milling of pockets, grooves and circular pockets
- External execution of programs via RS232
- 3 step motor axes (pulse/direction signals) and 1 spindle (±10 V)
- 8" LCD flat screen
- Handwheel functions
- Look Ahead function
- Up to 15 tools, 30 cutting edges
- Serial interface RS 232 C
- Operator panel and machine control panel (at the front) of IP65 type
- Emergency-stop button
- 12 customized keys which can be assigned and determined freely with LED, CNC complete keyboard
- Built-in calculator function
- Simulation
- Powerful PLC with KOP (Ladder) programming
- Teach-in (optional)

Accessories	Item No	€ (VAT excl.)
· Tool starter kit	353 6105	1'250.00
Information see on page 54		
· Software "SYMplus milling" for Siemens control 802S	358 3850	2'000.00

Hydraulic machine vice HCV 105

- Modular vice
 - High accuracy
 - High repeatability
 - Jaw width/height 105 / 42 mm
- Item No 353 6210 € 590.00 (VAT excl.)



Precision modular vices

- Material made of alloyed tool steel
- High precision

PNM 100

- Jaw width/height 100/30 mm
- Item No 335 5551 € 630.00 (VAT excl.)

PNM 125

- Jaw width/height 125 / 40 mm
- Item No 335 5553 € 790.00 (VAT excl.)



Warranty extension

- Siemens warranty period is increased to two years
- 900 1012 **450.00**

More accessories from page 52 on

F 100 CNC



Milling

Fig.: F 100 CNC



- Solid, precise cross table, largely dimensioned and precisely ground surface
- With T-slots (size 14 mm)
- Pneumatic tool clamping device for simple tool change
- Built-in bright machine lamp
- All slideways with movable special steel covering



- Siemens drives
- Limit stop and reference switch of contactless type (no wear of contact in the long run)
- Mobile coolant tank
- High-performance pump
- Tank capacity 50 liters
- Coolant level glass

