

CNC milling machine

OPTImill F 3Pro

Universal milling machines with servo drives and SIEMENS SINUMERIK 808D ADVANCED

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3500415

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » CNC milling machines » OPTImill F 3Pro



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,520 mm	Gross	1,450 kg	Delivery	Carrier	DualUse	✓
Width	1,450 mm	Net	1,400 kg	Content	1 pc(s).	SCIP	n/a
Height	1,970 mm					SVHC	No

Description ▼

- Linear guides on all axes
- All axes with ball screws
- Servodrive on all axes (X, Y and Z axis)
- Tool change at the push of a button (electropneumatic tool clamping unit)
- Coolant system
- Central lubrication
- Swivelling control panel
- Software package "SINUMERIK 808D on PC" included. (Practical training software allowing workpieces to be programmed and simulated on a PC offline. Downloadable free of charge on www.cnc4you.com)

Media informations ▼



- Maximum static and dynamic rigidity
- High positioning accuracy
- Smooth, backlash-free movement
- Low coefficient of friction
- Excellent error compensation due to X arrangement



- Pneumatic by means of push button (electro-pneumatic tool clamping device)
- BT 30 spindle mounting



- Access friendly
- Easy to connect to the machine
- Data interfaces
- Power connection:
- RJ45 plug connection Ethernet connection USB connection



- Portable
- Electronic
- Makes program retraction much easier
- Emergency stop pushbutton
- Enabling switch

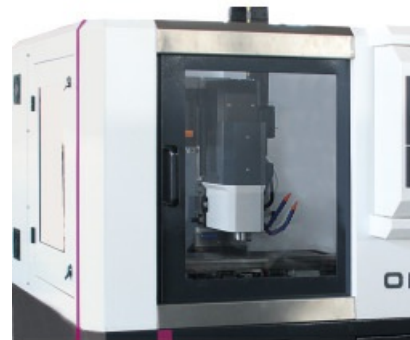


- Visually indicates the condition of the machine
- High brightness and long life

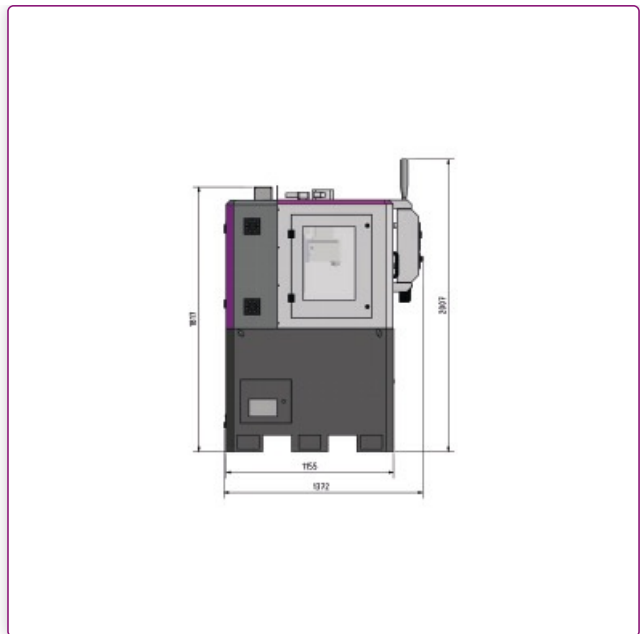


adds flair to your milling machines. CNC technology by the technology leader, coupled with a revolutionary operating solution, make the SINUMERIK 808D ADVANCED perfect for the world of CNC.

- RJ45 Ethernet port
- 8.4" LCD colour display with a resolution of 800 x 600
- Prepared for remote maintenance
- AST function: supports easy optimisation in case of stricter dynamic and precision requirements
- Higher precision



- Good visibility from three sides
- Clear, resistant Makrolon panes



Technical data ▼

Dimensions and weights			
Length (product) approx.	1410 mm	Width/depth (product) approx.	1372 mm
Height (product) approx.	2007 mm	Net weight approx.	1000 kg
Drilling/milling output			
Max. size milling head	50 mm	Max. size shaft milling cutter	25 mm
Electrical Data			
Supply voltage	400 V	Mains frequency	50 Hz
Milling table horizontal			
Horizontal milling table length	620 mm	Horizontal milling table width	180 mm
Min. clearance vertical spindle - horizontal milling table	50 mm	Max. clearance vertical spindle - horizontal milling table	295 mm
Horizontal milling table T-groove size	12 mm	Horizontal milling table T-groove number	3
Horizontal milling table T-groove spacing	50 mm	Horizontal milling table max. load bearing capacity	30 kg
Precision			
Repetition accuracy	± 0.02 mm	Positioning accuracy	± 0.01 mm
Cooling lubricant system			
Coolant pump(s) drive power	95 W	Cooling lubricant system tank capacity	30 l
Travel			
Travel X axis automatic	355 mm	Travel Y axis automatic	190 mm
Travel Z axis automatic	245 mm		
Vertical spindle			
Vertical spindle spindle chuck	BT 30	Vertical spindle speed range	4000 min ⁻¹
Explanation vertical spindle speed range	Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation.	Vertical spindle drive motor output continuous operation S1	1,5 kW
Vertical spindle drive motor output S6-30 % operation	2,2 kW	Vertical spindle torque drive motor continuous operation S1	9,5 Nm
Vertical spindle torque drive motor S6-30 % operation	14 Nm		

Feed speed			
X axis feed speed	10000 mm/min	Y axis feed speed	10000 mm/min
Z axis feed speed	10000 mm/min		
Feed motor torque			
Feed motor torque X axis continuous operation S1	1,9 Nm	Feed motor torque Y axis continuous operation S1	3.5 Nm
Feed motor torque Z axis continuous operation S1	3.5 Nm		
Electrical connections			
Total rated value	5 kVA		

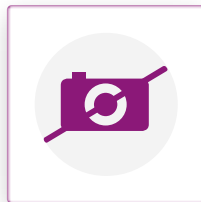
Accessories ▼



Warranty extension for SINUMERIK 808D ADVANCED 36 months

Article number ▼
3589012

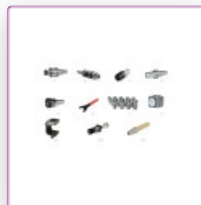
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Warranty extension for SINUMERIK 808D ADVANCED 12 months

Article number ▼
3589010

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Starter kit BT 30

Article number ▼
3536107

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