

CNC machine

with servo motor drive

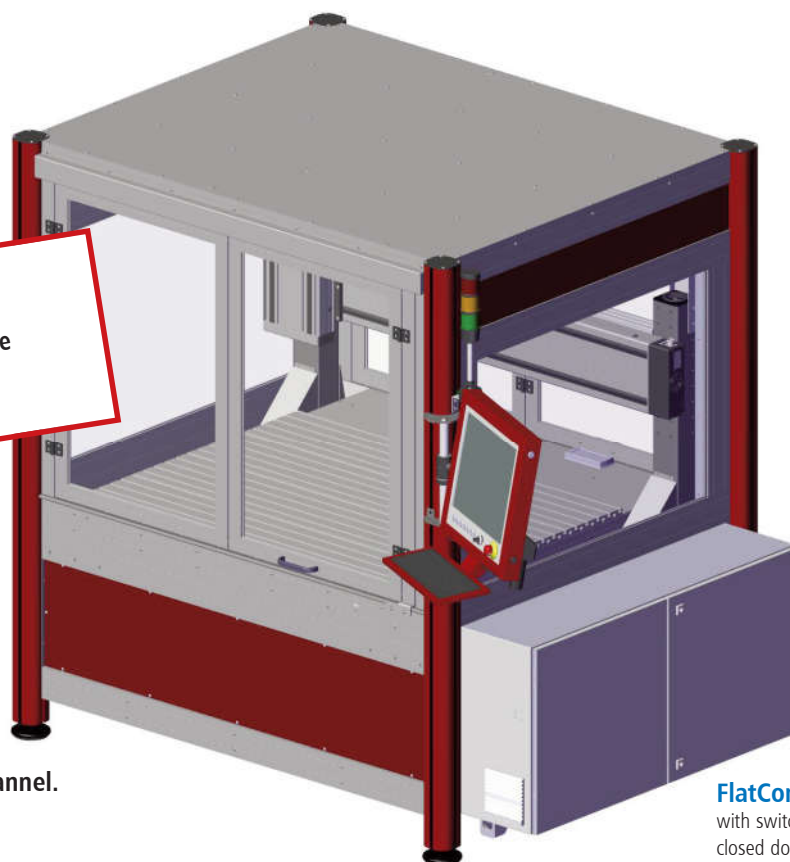
FLATCom®
series M

Features

- 5-axis machining
- movable portal, fixed table
- maintenance-free motors



Interesting application videos
can be found on our YouTube channel.
Just have a look!



FlatCom M40
with switch cabinet and
closed door

Technical Data

* Dimensions with switch cabinet and open door!

	FLATCom® M 20	FLATCom® M30	FLATCom® M40	FLATCom® M50
Traverse ranges X/Y [mm]	710 / 500	710 / 750	1210 / 750	1210 / 1250
Z-stroke [mm]	210 (optional 310, each without machining unit)			
Table clamping surface WxD [mm]	800 x 750	800 x 1000	1300 x 1000	1300 x 1500
Z-gap [mm]	250 (optional 350, each without machining unit)			
Dimensions WxDxH [mm]	1270 x 1170 x 1920	1270 x 1470 x 1920	1770 x 1470 x 1920	1770 x 1970 x 1920
Dimensions WxDxH * [mm]	1519 x 1574 x 1920	1519 x 2398 x 1920	2019 x 2898 x 1920	2019 x 3398 x 1920
Traverse speed X/Y/Z	max. 250 mm/s			
Repeatability [mm]	± 0.02			
Drive motors	Servo motors			
Drive elements X/Y/Z	Ball screws, backlash-free adjustable			
Control	CAN controller iMD with 3 drive controllers expandable to 12 axes (max. 6 interpolated & 6 handling axes), iPC, I/O module, PILZ safety PLC with Standstill monitoring, power supply unit 48 V / 1000 W			
Operation	operating panel iOP-19-TFT			
Weight (kg)	approx. 525	approx. 600	approx. 700	approx. 750
Software	Windows, WinRemote (optional: ProNC, isy 2.8)			
Connection values	230V, 16A		400V, 16A	
Item-No. (Z-stroke = 210 mm)	278000 252443	278001 252443	278002 252443	278003 252443
Item-No. (Z-stroke = 310 mm)	278000 352443	278001 352443	278002 352443	278003 352443

CNC machine

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FLATCom[®]
Serie M

Features

- portal passage: 210mm (optional 310mm)
- backlash-free adjusted steel KG drives with steel linear guides
- maintenance-free servomotors
- spindle motors iSA 500 / 750 / 1500 / 1500L and iSA 900 / 1500W / 1500WL / 2200
- available with and without protective hood
- ideal for multi-shift operation
- swivelling control panel iOP-19-TFT
- control PC iPC 25 incl. PCI card Win 7 / 64 bit
- network connection

Fields of application

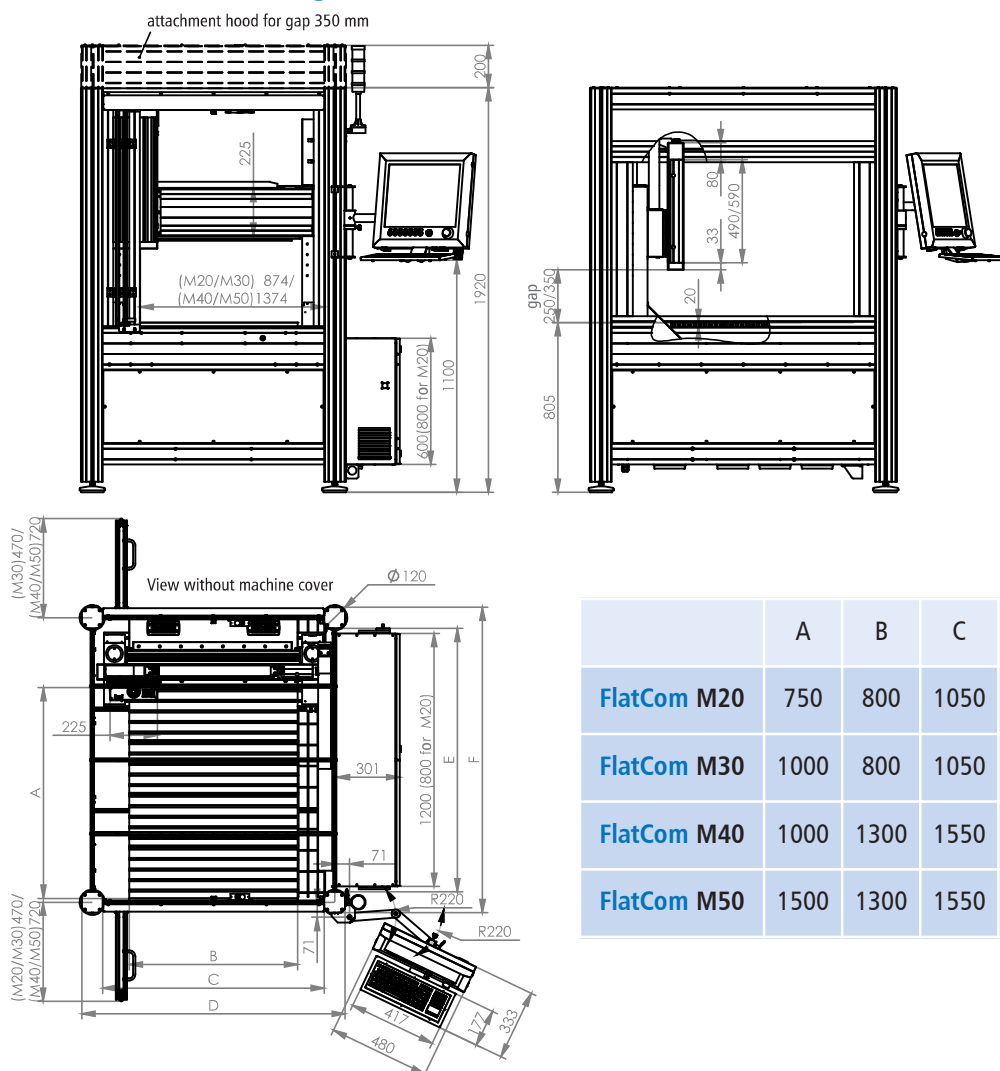
for processing of:

- aluminium / light metals
- milled plastics
- wood
- foams
- plexiglass

Options

- PC control panel with free PCI slots (for use with external PCI hardware)
- safety light curtain
- milling and engraving spindles
- automatic tool changing stations SK11 / SK20
- minimum quantity lubrication or CoolMin cooling system
- vacuum clamping tables
- suction device
- 4th axis e.g. assembly of the RDH series
- version without hood
- maximum 6 interpolated axes + 6 handling axes
- portal passage 310 mm
- pneumatic sliding door

Dimensioned drawings



	A	B	C	D	E	F
FlatCom M20	750	800	1050	1250	950	1150
FlatCom M30	1000	800	1050	1250	1250	1450
FlatCom M40	1000	1300	1550	1750	1250	1450
FlatCom M50	1500	1300	1550	1750	1750	1950

Subject to technical changes!