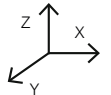


FMC Serie 4 - 5 axes

CNC Machining Centre with 5 controlled axes



✓ = standard

○ = optional

✗ = not available

Technical specifications

Working areas

FMC 475

FMC 445

X axis top face only	7 260 mm	4 260 mm
X axis top face + ends	7 100 mm	4 100 mm
Y and Z axes for machining on 2 faces of profile with lowered vice pads	300x270 mm	
Y and Z axes for machining on 3 faces of profile	300x270 mm	
A axis	370° / 190°	

Dynamic performance

X axis speed	100 m/min
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Profile positioning and locking

Vices with independent positioning along the X-axis (longitudinal)	8	4
Max number of vices	10	8
Pair of vices with independent positioning	○	○
Automatically reclining fixed stop	2 ✓	2 ✓
Automatic clamping pressure adjustment	✓	✓
Multipiece machining	✓	✓
Pendular machining	✓	○
Multipiece pendular machining	✓	○
Oversized machining	✓	✓
Cut and separate machining	○	✗
Profile length measurement device and workpiece position reading	✓	✓
LED bar with timer function and visual assistance for piece positioning	✓	✓



The specifications and illustrations in this document are only guideline, **Fom** therefore reserves the right to make any modifications it deems necessary for technical or commercial reasons at any time and without prior notification.

REV. 2

FMC Serie 4 - 5 axes

CNC Machining Centre with 5 controlled axes



✓ = standard ○ = optional ✗ = not available

Technical specifications

Electrospindle	FMC 475	FMC 445
Electrospindle 7 kW 20 000 rpm	✓	✓
Electrospindle 11 kW 20 000 rpm	○	○
Rigid tapping (max M16 depth on aluminium and max M10 depth on steel)	○	○
Cooling	Liquid	
Tool collet	HSK F63	

Lubrication of mechanical components

Automatic lubrication of straight guide blocks and recirculating ball screw lead screws	✓	✓
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Tool magazine

12+1-Position tool magazine mounted on the head	✓	✓
Maximum blade diameter in dedicated magazine	300 mm	
Device to measure tool length	✓	✓
Maximum tool length in the magazine	200 mm	

Tool lubrication

Minimum quantity lubrication	✓	✓
Lubrocooling with use of water-oil + dedicated tank	○	○
Additional Flowdrill lubrication system	○	○
5 nozzles integrated into the head	✓	✓

Control and software

24" screen	✓	✓
Luminous Fom Logo indicating machine status	✓	✓
IoT ready	✓	✓
Wireless bar-code reader	○	○
FSTCam4	✓	✓

