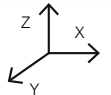


Modulo MCE



Throughfeed machining and cutting centre with front blade Ø 650 mm



✓ = standard

○ = optional

Technical specifications

Loading magazine

Minimum transportable profile length	1 000 mm
Maximum transportable profile length	7 500 mm
Optimized loading capacity based on bar width	✓
55" monitor for guided loading	✓

Bar feeder and profile pick-up system

Bar length measuring device	✓
Miniaturised gripper	✓
Automatic controlled positioning on 4 axes	✓
Maximum rapid speed	160 m/min
90° workpiece tilting device	✓

Multispindle module

Max No. electrospindles housed	18
Maximum working capacity	254 mm x 200 mm
Minimum quantity lubrication (MQL) with pure oil	✓
Sensor for tool integrity control	✓
Vertically controlled vice unit at both infeed and outfeed	✓
Longitudinally controlled movable vices	○



Technical specifications

Available configurations for the multispindle module

Light-A includes 8 electrospindles	○
Light-B includes 12 electrospindles	○
Standard-A includes 14 electrospindles, 2 of which are tilting	○
Standard-B includes 18 electrospindles, 3 of which are tilting	○
Flexible-A includes 16 electrospindles, 2 of which are tilting and 2 for tapping	○
Flexible-B includes 18 electrospindles, 4 of which are tilting and 3 for tapping	○
Customized configuration up to 18 configurable slots	○

Cutting module

Tungsten carbide saw blade Ø 650	✓
Front cutting	✓
Blade angle control for intermediate angles of from 22,5° to 157,5°	✓
2 horizontal vices with controlled positioning (longitudinal and vertical)	✓
4 vertical vices with controlled positioning (longitudinal and transverse)	✓
Blade feed drive with electronically controlled speed and position	✓
3,7 kW blade motor	✓
Blade rotation speed controlled by inverter	✓
Minimum quantity lubrication (MQL) with pure oil	✓
"Dynamic Z" cutting	✓

End-milling module

Maximum diameter of end-milling cutter stacks	200 mm
Maximum height of end-milling cutter stacks	130 mm
Maximum blade diameter for trimming	250 mm
4-position tool magazine	○
Maximum speed of electrospindles for end-milling	21 000 rpm
Power of the electrospindles for end-milling	5 kW



✓ = standard

○ = optional

Technical specifications

Unloading magazine

Minimum unloading length onto belt storage unit	250 mm
Maximum unloading length (depending on the version)	4 500 mm or 6 500 mm
Profile compacting function	✓
Useful storage depth	2 500 mm
Short-piece unloading conveyor for pieces up to 110 mm	✓
Automatic blowers for cleaning the workpieces	✓
Chip conveyors for the cutting unit	✓
Two-way unloading storage unit	○

System optionals

Supports for instable profiles with controlled positioning in Y and Z	○
Automatic / manual label printer	○
Wireless bar code reader	○
Fume extractor	○

Control and software

FSTLine5	✓
27" touch screen	✓
Second monitor	○

