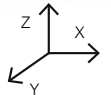


LMX2 650



Throughfeed machining and cutting centre
consisting of multispindle, machining and cutting unit with 5 controlled axes,
cutting unit with blade Ø 650 mm and bar passage 300x300 mm



✓ = standard

○ = optional

Technical specifications

Loading magazine

Minimum transportable profile length	1 500 mm
Maximum transportable profile length	7 500 mm
Loading capacity	6 - 12 bars
Independently lowerable rollers for solid profiles	○

Bar feeder and profile pick-up system

Miniaturised gripper	✓
Automatic, controlled positioning on 4 axes	✓
Max. rapid speed	125 m/min
X-Push for loading of profile packs and solid profiles Fom PATENT	○

Multispindle machining unit

Max. no. of electrospindles housed	18
V (vertical) axis travel	430 mm
C (transversal) axis travel	800 mm
Maximum working capacity	300 mm x 300 mm
Minimum lubrication with pure oil	✓
Sensor for tool integrity control	○



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✓ = standard

○ = optional

Technical specifications

Available electrospindles

4,5 kW 24 000 rpm HSK C40 electrospindles

4,5 kW 24 000 rpm HSK C40 tilting electrospindles for oblique machining,
with pneumatically driven rotation or controlled rotation with positioning between 0 and 45°

4 kW 17 000 rpm HSK C40 synchronous electrospindles for threading

X-Module: cutting unit

Tungsten carbide saw blade Ø 650	✓
Downfeed cutting	✓
Driven by 4 controlled axes (X, Y, Z and rotation A)	✓
Cutting head with infinite 360° blade rotation	✓
Controlled vice unit at outfeed	✓
Motorised and controlled gripper for extracting the piece	✓
Blade motor 7,5 kW	✓
Blade speed adjustment via inverter	✓
Minimum lubrication with pure oil	✓

FU 500: machining unit with 5 controlled axes

24 kW HSK E63 electrospindle	✓
Automatic 32 location chain type tool magazine	✓
Blade magazine	✓
Tungsten carbide saw blade Ø 500	✓
Compound cutting	✓

Unloading magazine

Minimum unloadable length for 90° cuts	40 mm
Maximum unloadable length (according to the version)	3 000 mm, 5 000 mm or 7 000 mm
Profile compacting function	✓
Useful depth of storage	2 500 mm
Accumulator full and profile present detector with photocell	✓
Profile anti-drop safety device using safety micro and mechanical stop	✓
X-Pull to decrease supervised working times Fom PATENT	○



LMX2 650



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○ = optional

Technical specifications

System optional

Unstable profile support with controlled positioning in Y and Z	○
Overturning units	○
X-Lab label printer with automatic application Fom PATENT	○
55" LCD screen	○

Control and software

FSTLine4	✓
24" screen	✓
Luminous Fom Logo indicating machine status	✓
IoT ready	✓

