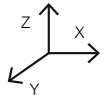


LMX 650



Throughfeed machining and cutting centre
with down-feed 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

Multispindle machining unit

Max no. electrospindles housed	18
Electrospindle power rating	4,5 kW at 24 000 rpm
Tool coupling	HSK C40
V axis travel (vertical)	430 mm
C axis travel (transversal)	800 mm
Maximum working capacity	300 mm x 300 mm
Minimum quantity lubrication (MQL) with pure oil	✓
Sensor for tool integrity control	○



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Technical specifications

Available electrospindles

4,5 kW HSK C40 tilting electrospindles with pneumatically driven rotation
or controlled rotation with positioning between 0 and 45°

HSK C40 4 kW 17 000 rpm synchronous electrospindle for mechanical machining and tapping

X-Module: cutting unit

Tungsten carbide saw blade Ø 650	✓
Downward cut	✓
Drive with 4 controlled axes (X, Y, Z and rot. A)	✓
Cutting head with 360° infinite blade rotation	✓
Controlled vice unit both at infeed and outfeed	✓
Motorised and controlled gripper for extracting the piece	✓
Motor 7,5 kW	✓
Blade speed adjustment via inverter	✓
Minimum quantity lubrication (MQL) with pure oil	✓

FU 500: machining unit with 5 controlled axes

Electrospindle	16 kW HSK E63
Automatic tool change	○
3 location tool magazine	○
C axis for XMU electrospindle unit	○
90° angular head	○
45° angular head (Ø 300 mm blade excluded)	○
End-milling cutter set (to drawing)	○

Unloading magazine

Minimum unloadable bar length	40 mm
Maximum unloadable length (according to the version)	3 000 mm, 5 000 mm or 7 000 mm
Profile compacting function	✓
Useful depth storage	2 500 mm
Complete storage unit and profile presence detection by photocell	✓
Profile anti-drop safety device using safety micro and mechanical stop	✓



LMX 650



Throughfeed machining and cutting centre
with down-feed blade Ø 650 mm and bar passage 300x300 mm

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○ = optional

Technical specifications

System optional

Supports for instable profiles with controlled positioning in Y and Z	○
Overturning units	○
X-Lab label printer with automatic application	○
55" LCD display	○

Control and software

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

