Technical Datasheet

EMAG VTC 250 DUO DD

Vertical lathe



Product code	**89-001670**
Condition	**Used machine**
Category	**Lathe**
Machine type	**Vertical lathe**
Year of manuf.	**2020**
Control	**Siemens 840 Dsl**
Turning diam. [mm]	**140**
Turning length [mm]	**700**

In General:

Max. workpiece diameter	140 mm
Chuck diameter	250 mm
Max. turning length	700 mm

Track I:

Tool carrier I	Tool turret (X/Z)
Tool drive	9,600 rpm, 44 Nm
Tool holder	BMT
Number of stations	11 + 1 Part gripper
X-axis	310 mm
Z-axis	1,115 mm
Position sensors (X/Z)	Direct scales

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Note: Subject to prior sale and error excepted

Track II:

Main spindle (OP10)	Travelling direct drive spindle
Speed	5,000 rpm
Power	33.9 kW
Torque	231 Nm
Chuck	Collet chuck
Clamping cylinder	Hydraulic clamping cylinder
Support control	Pneumatic
W-axis	772 mm
C-axis	0.01°
Position sensor (W)	Direct scale
Sub-spindle (OP20)	Direct drive spindle
Speed	5,000 rpm
Power	33.9 kW
Torque	231 Nm
Chuck	2+2-jaw power chuck
Clamping cylinder	Hydraulic clamping cylinder
C-axis	0.01°

Track III:

Tool Carrier II	Tool turret (X/Y/Z)
Tool drive	9,600 rpm, 44 Nm
Tool holder	BMT
Number of stations	11 + 1 Part gripper
X-axis	310 mm
Y-axis	50 mm (+ 22/ - 28 mm)
Z-axis	1,115 mm
Position sensors (X/Z)	Direct scales

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Track IV:

Main spindle (OP30)	Travelling motor spindle
Speed	5,000 rpm
Power	33.9 kW
Torque	231 Nm
Chuck	Collet chuck
Clamping cylinder	Hydraulic clamping cylinder
Support control	Pneumatic
W-axis	988 mm
C-axis	0.01°
Position sensor (W)	Direct scale
Tailstock	Fixed arrangement
Quill	Hydraulic with position control

Track V:

Tool Carrier III	Milling/turning turret (X/Z)
Tool drive	1,000 rpm, 240 Nm
Tool holder	HSK-63
Number of stations	5 + 1 Part gripper
X-axis	310 mm
Z-axis	1,115 mm
Position sensors (X/Z)	Direct scales

Automation:

Feed conveyor	O-type, 18 base carriers
Discharge conveyor	O-type, 18 base carriers
Part transfer	3 grippers on tool turret
Max. workpiece diameter	140 mm
Max. workpiece height	630 mm
Workpiece weight	max. 20 kg

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Equipment:

Position measurement systems	Direct (glass scales)
Chip removal	Chip conveyor
Workpiece measurement	Renishaw OMP
Coolant supply	Internal coolant with filter, 17 bar
Coolant temperature control	Immersion recooler
Emulsion mist separator	Mechanical
Software option I	Turning/milling operation
Software option II	Automatic retraction
Software option II	Sister tool management

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Product images













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