

EMAG

VLC 400

Stock no. :1022-E06307

MACHINE-DATA

Machinetype	: Vertical Turning Machine
Make	: EMAG
Type	: VLC 400
Year	: 2021
Control type	: CNC
Control	: SIEMENS 840Dsl
Storage location	: Deutschland
Origin	: Germany
Delivery time	: Immediately
Quotation	: Ex Works
Price	: on request



TECHNICAL DATA

max. workpiece diameter	400 mm
workpiece length - max.	300 mm
Control	SIEMENS 840Dsl
swing diameter	520 mm
chucking diameter	500 mm
travel x / y / z	995/+,-30/580 mm

TECHNICAL DESCRIPTION

Operating hours (total): 1848 hours

1.2.2 BASE TURRET UNIT AND Y-AXIS SLIDE UNIT

The Y-axis slide unit is mounted on the side of the machine base.

A fast-reacting, position-controlled, and maintenance-free servo motor is used for the axis drive. It drives the slide via a high-precision ball screw. A linear measuring system is built into the Y-axis. Positional accuracy: 2 µm.

BASE TURRET UNIT

Shortest swivel times thanks to direct swivel drive, cooled for consistent accuracy.

MAIN SPINDLE 37.7 KW



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1.2.3 HP TURRET DRIVE UNIT FOR DRIVED MACHINE TOOLS (C442)

*With internal coolant supply to the tool.**

Max. speed 6,000 rpm

Crosscut speed 3,200 rpm

*Torque at 100% duty cycle 54 Nm/18.1 kW***

*Torque at 40% duty cycle 83.6 Nm/28.0 kW***

*Torque at 10% duty cycle 100 Nm/33.5 kW***

**1.2.4 TOOL CARRIER UNIT FOR DRIVED TOOLS TOOLS, 12xBMT75
for BMT75 tool holders**

1.2.6 ROTATING WORKPIECE TRANSPORT SYSTEM, O-TYPE

Drag frame system for 10 workpieces

Max. workpiece height (including workpiece pallet) 300 mm

Max. workpiece weight 60 kg

1.2.7 SET (10 pieces) DRAG FRAME for O-type belt

For workpiece diameters 150 - 400 mm

1.2.8 BLOW-OFF OF THE WORKPIECE AND THE CLAMPING DEVICE (PICK-UP)

1.2.10 COOLANT SUPPLY 15 bar

Coolant pump flow rate approx. 80 l/min at 15 bar.

COOLING UNIT (6.5 kW, water-air)

A cooling unit (with dual-circuit technology) regulates the machine's thermal balance. The spindle drive, control cabinet, and turret are kept at ambient temperature (10°C - 40°C). Cooling capacity: 6.5 kW

1.2.11 COOLANT DOUBLE FILTER, MANUALLY SWITCHABLE

Filter fineness 100 µm, with electrical and mechanical contamination indicator

1.2.12 CHIP CONVEYOR, HINGED BELT VERSION - REAR-FACING

Chip discharge height 1100 mm. /With integrated coolant reservoir, capacity approx. 500 l.

1.2.13 EMULSION MIST EXTRACTION

Extraction capacity approx. 800 m3/h

1.2.14 FLUSHING GUN

1.2.16 WORKPIECE MEASUREMENT

with a measuring probe that is completely protected from chips and coolant outside the work area.



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1.2.17 BLOW-OFF PROBE

1.2.19 ENGRAVING SOFTWARE PACKAGE

1.2.20 TOOL LIFE MONITORING - SISTER TOOL MANAGEMENT

*1.2.21 TOOL BREAKAGE MONITORING TOOLINSPECT MCU - EUROPE
(SIEMENS 840DSL, FANUC 31i/32i)*

1.2.23 3-COLOR INDICATOR LIGHT

1.3.2 AXIAL DRILLING AND MILLING HEAD - BMT75 CC

1.3.3 ANGLE DRILLING AND MILLING HEAD 90° - BMT75 CC (i=1:1)

1.3.4 TOOL SET FOR OP10 + OP20

*1.3.7 HYDRAULIC FULL-CLAMPING CYLINDER SIZE 150 - with 1 media feedthrough
The coolant is supplied to the workpiece through the main spindle and the clamping device.*

*1.3.10 3-Jaw Power Chuck KNCS-N 500-155 Quick Change
n max. = 2200 rpm (Recommended speed according to DIN 6386)
- Set of hard base jaws
- Set of soft top jaws*

*1.3.11 Attachments for KNCS-N 500-155
Consisting of:
- Chuck flange DIN 55026 A11
- Drawbar adapter with through-hole and shut-off valve for central air or coolant supply
- Mounting screws*

1.3.12 Irrigation nozzle in chuck bore

*Additional tool holders with tools
1x 8.BMT25VL8IKX50 External finishing cutter
1x 8.BMT25VL8IKX50 External roughing cutter
1x 60.7516VL8IKDI15 Engraving Tool
1x 60.7516VL8IKDI15 Tapping Chuck
1x 40.75V5KRVL8IKD 50mm Cutter Head*



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3x 80.75V5VL8IKD Boring Bar Holder
2x 27.V520HYDL26 Drill Bits, 20mm Diameter
1x 42.V522L08Ik Drill Bits, 22mm Diameter
1x 27.V514WNL31 Drill Bits, 14mm Diameter

VIDEO-LINKS

Video No.1 : https://www.youtube.com/embed/_f3vhUuDJME

WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-E06307>

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