

Data sheet No. 20385320 / 18.06.2026

| Item | Qty | Description |
|------|-----|---|
| 1000 | 1 | Vertical CNC-machining center FZ 15 W |
| 1040 | 1 | Year of construction: 2003 Condition: completely refurbished Machine no.: 147-73 According to the following items |
| 1060 | 1 | COLUMN MOVING MACHINING CENTRE in steel- concrete- composite design with workpiece swivel table Suitable for dry-machining with optimized chip drop Guideways with long-term-grease lubrication Drilling capacity in steel \varnothing 36 mm (with insert drill) Tapping capacity M 24 Milling capacity in steel 250 cm ³ /min |
| 1080 | 1 | Machine enclosure with sliding doors, electrically interlocked, 2200 mm high above floor, incl. machine lamp service friendly with removable side walls vertical bellows |
| 1100 | 1 | Mini-operating panel with start and receipt push buttons, for pallet recognition M61/M62 |
| 1120 | 1 | Workpiece swivel table 0/180 degrees with centre divider made of sheet metal clamping surface 2 x 660 mm x 400 mm with thread and locating hole grid M16 x \varnothing 15 H7 x 50 mm workpiece swivel time appr. 2,4 s weight-dependent, self-regulating through self-learning speed-control table loading capacity per side 0 - max. 300 kg, max. 100 kg weight difference between the two table sides |
| 1140 | 1 | Travel X-axis 550 mm Y-axis 400 mm Z-axis 425 mm with adjustable tool change level (plus the distance from the spindle mount to the clamping surface, as specified in the data sheet) |
| 1160 | 1 | Main Spindle drive with AC-motor 9,5 KW at 100 % 14,0 KW at 15 % for mainspindle Spindle speed range: 20 - 10.500 rpm - max.90 Nm |

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| 1180 | 1 | <p>Automatic tool changer, protected against chips</p> <p>No. of tools 20 Tool shaft SK 40 DIN 69871 + 72 Max. tool dia. 65 mm if all magazine pos. are occupied Max. tool dia. 150 mm if adjacent places are free Max. tool weight 2,5 kg (5,0 kg at 4 places) Tool change time appr. 0,9 s (depends on CNC) Chip-to-chip-time appr. 2,1 s (depends on CNC)</p> |
| 1200 | 1 | <p>AC-servo motors</p> <p>for x-, y- and z-axes digital direct drives with indirect absolute path measuring system rapid traverse in all axes 60 m/min. with 1, 0 g acceleration</p> |
| 1220 | 1 | <p>SIEMENS CNC-control 840D (Upgrade to PCU 50 / NCU 572.5)</p> <p>incl. 10,4" TFT colour LCD screen / full keyboard OP010S NC-memory 256 KB (max.200 programmes storage capacity) for ISO 66025 programming drilling cycles G81-G89 drilling and milling cycles M- and T- functions circular interpolation (360 degrees) re-start into program Subroutines, parameter programming simultaneous programming contour programming with cycle support support through cycles polar coordinates tool offsets for geometry, wear tool radius correction for intersection computing crossing radius 4 zero offsets G54-G57 30 zero shifts programmable with G-functions 3D and helical interpolation screen switch off mirror function scaling function insert of chamfer and radius Universal interface RS 232C (2 x V24) at control panel Ethernet connection RJ45 in control panel orientated spindle stop drip feed function through V24 interface dimension metric or inch software limit switch NC-diagnosis machine-diagnosis absolute indirect path measurement systems power meter in screen rigid tapping look ahead function</p> |

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| 1240 | 1 | <p>CHIRON Powersafe To save energy by reducing air and electricity consumption. Software package for selectively shutting down installed consumers such as axis motors, drives, spindles, air shut-off, air sensing, and auxiliary units during production pauses or at programmable times using a shift calendar. A definable time at which the machine automatically begins, based on demand, with a variable “warm-up” program to restore production readiness.</p> |
| 1250 | 1 | <p>Preparation 4. and 5. Axis</p> |
| 1260 | 1 | <p>Working hours and piece counter in the screen</p> |
| 1280 | 1 | <p>Socket 230 V at control panel</p> |
| 1300 | 1 | <p>Cabinet cooler as a door mounting unit</p> |
| 1320 | 1 | <p>Installation elements</p> |
| 1340 | 1 | <p>Wash gun with 1 connection and quick coupling each in loading- and working area</p> |
| 1360 | 1 | <p>Automatic central grease lubrication</p> |
| 1370 | 1 | <p>Central hydraulic and pneumatic connection prepared for up to 20 connections, including connection couplings, of which 2 are for uncontrolled pneumatics.</p> |
| 1380 | 1 | <p>Fully enclosed work space (Standard at high speed plus package)</p> |
| 1400 | 1 | <p>Chip conveyor (scratch band) with lateral discharge, discharge height 1.050 mm tank capacity 300 l with pump capacity 150 l/min. at 1, 5 bar</p> |
| 1440 | 1 | <p>Coolant equipment KF 150 / FKA 500 tank capacity 500 l</p> <p>ND-Pump 40 l/min. at 3,2 bar up to 120 l/min at 3,2 bar HD-Pump 28 l/min at 30 bar</p> <p>Full-flow cleaning using compact paper belt filters KF 150 with coolant filtration, 50 µm nominal Dual-stage filter in the high-pressure circuit to protect the machine</p> |

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1450 1 **Machine preparation for coolant supply through the spindle**
with a rotary joint on the motor hollow shaft
and a high-pressure supply line with a flow monitor.

Note:

For SK version in Form A.

For HSK, we recommend using

the patented coolant tube with plug-in strainer for the tool holders.

Advantage: Reduced tendency for clogging of
the coolant holes in the tools.

1460 1 **Package m-functions**
m72/m73 2 m-function pairs for
m74/m75 simple ON/OFF function
m76 m-functions to control a
m78 peripheral equipment with external setback
(blocking of the machine course)

1500 1 **Suction point**
for customer specific installation
Ø 200 mm on top of the machine enclosure

1510 1 **Warranty**
CMS-full-service-Warranty
6 months after commissioning
for NC-control and machine
excluded wear parts.

1520 1 **Two-components-structure varnish - 2 colours**
light grey acc. to NCS S1502-B
basalt grey acc. to RAL 7012

1540 1 **Cutting tools**
The cutting tools have to be balanced
according to DIN ISO 1940, class G 2, 5,
in two levels, with max. operating speed

1560 1 **Documentation acc. to CE of the first delivery into market**
1 x safety regulations in a folder in English
1 x complete documentation on a USB as PDF
Language of the operating manuals and safety in English