

Data sheet No. 20385345 / 20.08.2024

Item	Qty	Description
1000	1	Vertical CNC-machining center CHIRON FZ 15 S
1040	1	Year of construction: 2005 Condition: completely refurbished
		According to described below scope of delivery
1060	1	Column moving machining centre in steel- concrete- composite design with swing setup Suitable for dry-machining with optimized chip drop Guideways with long-term-grease lubrication
1080	1	Machine enclosure with loading door, electrically interlocked, 2200 mm high above floor, incl. machine lamp service friendly with removable side walls vertical bellows
1100	1	Travel: X-axis 550 mm Y-axis 400 mm Z-axis 425 mm with variable tool changing level
1120	1	Main Spindle drive with AC-motor 7,5 KW at 100 % 15,0 KW at 10 % Spindle speed range: 20 - 10.500 rpm - max.95 Nm Drilling capacity in steel Ø 36 mm (with insert drill) Tapping capacity M 24 Milling capacity in steel 250 cm ³ /min
1140	1	Fixed table with chip pan clamping surface 1100 mm x 450 mm ² with 3 T-slots 2 x 18 H12, 1 x 18 H 8 Locating bushing ø 15 H7 table loading capacity max. 500 kg
1160	1	Automatic tool changer Tool places 20 Tool shaft HSK A63 DIN 69893 Tool-ø max. 65 mm Tool-ø if adjacent places are free max. 150 mm Tool weight max. 2,5 kg (5,0 kg on 4 places) Tool changing time approx. 0,9 s (depends on CNC)
1180	1	AC-servo motors for x-, y- and z-axes digital direct drives with indirect absolute path measuring system rapid traverse in all axes 40 m/min with acceleration of 0,5 g Remark: With normal conditions the machine does not have to be anchored to the floor. (For slippery floors we recommend anchoring.)

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- 1200 1 **FANUC 18 i - 3-axes continuous path control**
 9.5" LCD monochrom screen
 memory capacity 256 KB
 drilling cycles G81-G89
 absolute path measuring system
 M- and T-functions
 circular interpolation (360 degrees)
 re-start into program
 makro B sub-routines
 look ahead
 simultaneous programming
 automatic corner override
 32 tool offsets
 cutter radius - contour compensation
 6 zero shifts G54-G59
 metric/inch switch
 3 D-interpolation/helical interpolation
 S-analogue
 rigid tapping
 orientated spindle stop
 Slot for PCMCIA memory card
 Interface RS 232C on the side at the control panel
 software-limitswitch
 NC-diagnosis
 machine diagnosis

- 1220 1 **Work space washing**
 with nozzles installed inside the Machine enclosure

- 1240 1 **Working hours and piece counter**
 in the screen

- 1260 1 **Socket 230 V**
 at control panel

- 1280 1 **Cabinet cooler as a door mounting unit**

- 1300 1 **Socket for portable mini-hand wheel**
 without emergency stop button,
 at control panel

- 1321 1 **Automatic central grease lubrication**

- 1340 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)

- 1360 1 **Clamping table 90 mm lower**

- 1380 1 **Installation elements**

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1400	1	Chip conveyor (scratch band) 600 K-1/300 discharge height 1.200 mm with coolant tank, tank capacity 300 l, pump capacity 150 l/min. at 2,0 bar incl. tube flushing
1420	1	Automatic loading door of splash guard cover opening and closing, actuation via two-hands-push-button
1440	1	Fully enclosed work space (Standard at high speed plus package)
1460	1	Wash gun
1480	1	Coolant connection for fixture washing
1501	1	Hydraulic unit for continuous operation pressure: 200 bar
1520	1	Hydraulic connection for 210 bar with 2 connecting couplings "A + B" and hydraulic installation up to outside of machine bed, electrical control for clamping ON - OFF via push button at control panel per connection
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
2000	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