

Data sheet No. 20385345 / 16.09.2022

Item	Qty	Description
1000	1	Vertical CNC-machining center CHIRON FZ 15 S no. 234-53
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) Chip-to-chip-time approx. 2, 1 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
1320	1	Cabinet cooler as a door mounting unit
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	Beladetür der Spritzschutzverkleidung automatisch "öffnend" und "schließend", einschl. Zweihandstartauslösung
1440	1	Fully enclosed work space (Standard at high speed plus package)
1460	1	Wash gun
1480	1	Kühlmittelanschluss für Vorrichtungsspülen
1500	1	Maschinenvorbereitung für innenspülende Werkzeuge durch die Spindel nach DIN 69893 HSK A63. Mit Drehdurchführung an der Motorhohlwelle, Feuchtigkeitssensor zur Überwachung von Leckage, Hochdruckzuführung mit eingebautem Schmutzfänger, Magnetventil programmierbar über NC-Programm. Wir empfehlen für die Werkzeughalter die Verwendung unseres patentierten Kühlmittelrohres mit Stecksieb. Vorteile: - Verminderung der Verstopfung der Kühlmittelbohrungen in den Werkzeugen. - Reduzierung des Verschleißes der O-Ring-Dichtung in der Spannzange. (Voraussetzung Kühlmittelanlage mit HD-Pumpe)
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	Werkzeuge Werkzeuge müssen ausgewuchtet werden nach DIN ISO 1940, Gütestufe G 2,5, in 2 Ebenen, bei max. Betriebsdrehzahl
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