

Data sheet I CHIRON FZ 15 S no. 230-53

Pos.	Qty.	Description	Price
100	1,00 ST	<p>Completely refurbished vertical machining centre CHIRON FZ 15 S no. 230-53</p> <p>Year of construction: 2005, weight: 3.600 kg</p>	
200	1,00 ST	According to described below scope of delivery	
300	1,00 ST	<p>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</p>	
400	1,00 ST	<p>Machine enclosure with loading door, electrically interlocked, 2200 mm high above floor, incl. machine lamp service friendly with removable side walls vertical bellows</p>	
500	1,00 ST	<p>Fixed table with chip pan clamping surface 1100 mm x 450 mm² with 3 T-slots 2 x 18 H12, 1 x 18 H 8 Locating bushing ø 15 H7 table loading capacity max. 500 kg</p>	
600	1,00 ST	<p>Travel: X-axis 550 mm Y-axis 400 mm Z-axis 425 mm with variable tool changing level</p>	
700	1,00 ST	<p>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</p> <p>Drilling capacity in steel Ø 36 mm (with insert drill) Tapping capacity M 24 Milling capacity in steel 250 cm³/min</p>	
800	1,00 ST	<p>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)</p>	



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		Tool changing time	approx. 0,9 s (depends on CNC)
		Chip-to-chip-time	approx. 2,4 s (depends on CNC)
900	1,00 ST	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	
1000	1,00 ST	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.)	
1100	1,00 ST	Work space washing with nozzles installed inside the Machine enclosure	
1200	1,00 ST	Fixture washing incl. coolant supply	



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1300	1,00 ST	Working hours and piece counter in the screen	
1400	1,00 ST	Socket 230 V at control panel	
1500	1,00 ST	Cabinet cooler as a door mounting unit	
1600	1,00 ST	Automatic central grease lubrication	
1700	1,00 ST	Socket for portable mini-hand wheel without emergency stop button, at control panel	
1800	1,00 ST	Installation elements	
1900	1,00 ST	Automatic loading door of total enclosure opening and closing, actuating to closing via two-hand push buttons	
2000	1,00 ST	Wash gun	
2100	1,00 ST	Chip conveyor (scratch band) 600 K-1/300 discharge height 1200 mm, tank capacity 300 ltr, pump capacity 150 ltr/min at 2,0 bar, incl. bed flushing system	
2200	1,00 ST	Clamping table 90 mm lower	
2300	1,00 ST	Fully enclosed working area	
2400	1,00 ST	Machine preparation for through tool coolant system including: - Sealing system in the DIN 69893 HSK A63 collet - coolant distributor installed at the main spindle drive - Coolant leakage sensor - Implemented mud flap in the high pressure piping - Solenoid valve, controlled via machine program We recommend for tool holders the use of our patented coolant tube with sieve. Advantages:- Decrease of the clogging in the internal coolant channel. - Reduction of the wear at the O-ring seal in the collet. (Subject: required high pressure equipment)	



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2500	1,00 ST	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)	
2600	1,00 ST	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	
2700	1,00 ST	Hydraulic unit continuous duty pressure: 210 bar, flow rate: 4,3 l/min. incl. valves for supply of 1 clamping device and 1 pressure switch for clamping control	
2800	1,00 ST	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	
2900	1,00 ST	- Documentation -	
3000	1,00 ST	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	
3100	1,00 ST	Machine colour Two-components-structure varnish - 2 colours light grey acc. to NCS S1502-B basalt grey acc. to RAL 7012	
3200		Main circuit total power supply 400 / 230V ± 10 %, 50 cycles N/PE, neutral conductor, load possible, pressure supply 6 bar, ± 1 bar at all procedures, room temperature max 40°	



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3300		<p>Information Export</p> <p>We point out that the CNC-machining centres are subject to controls. For the export from the European Union an export license is necessary.</p>	
3400		<p>Information Machine safety</p> <p>The machine is designed and built in accordance with the European machine guideline, according placing the product on the first time onto the market.</p> <p>Other safety features due to special company rules and specifications can be considered. The actual cost will be invoiced.</p>	
3500		<p>Information Coolant lubrication</p> <p>The machine is designed for standard water soluble coolant and fully enclosed at the standard version. The machine must be equipped with fume extraction.</p> <p>The machine contents different plastics, varnish, resin and glue, which are selected carefully for using coolant and cutting oil.</p> <p>The use of aggressive coolant and additive could cause major damages and machine stops.</p> <p>Contact in any case your coolant supplier before machine set-up and installation.</p>	

