

**Data sheet no. 20506343 / 25.06.2026**

Item	Qty	Description
1000	1	<b>Vertical CNC-machining centre model MPS 08 Machine no. 214-20</b>
1040	1	<b>Year of construction: 2003 Condition: Completely refurbished</b>
		<b>According to described below scope of delivery</b>
1045	1	<b>COLUMN MOVING MACHINING CENTRE</b> with flexible profile bar machining system
		Drilling capacity in steel 60      Ø 16 mm Tapping capacity                    M 12 Milling capacity in steel 60      30 cm <sup>3</sup> /min.
1100	1	<b>Digital main drive with spindle</b> with air purge and monitoring of the tool clamping 2, 0 kW at 100 % 3,7 kW at 25 % for main spindle Spindle speed range: 20 - 27.000 rpm - 8 Nm
1200	1	<b>Travel</b> X-axis 300 mm Y-axis 250 mm Z-axis 250 mm
1300	1	<b>Automatic tool changer</b> No. of tools 12 Tool shaft HSK 32 DIN 69893 Max. tool dia. max. 63 mm Max. tool weight max. 0,7 kg (average 0,5 kg) Tool change time appr. 0,5 s (depends on CNC) Chip-to-chip-time appr. 1,5 s (depends on CNC)
1400	1	<b>AC-servo-motors</b> feed drives for X-, Y- and Z-axes, indirect absolut path measuring system rapid traverse in X- and Y-axes 40 m/min, acceleration 0,7 g. rapid traverse in Z-axes 60 m/min, acceleration 1,0 g.
		Remark: With normal conditions the machine does not have to be anchored to the floor. (For slippery floors we recommend anchoring.)
1500	1	<b>NC-rotary-table package, complete installed consisting of:</b> - 2 synchronized NC-rotary-tables, right hand side fixed, left hand side mounted to feeding unit

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- 4th and 5th NC-axis complete  
smallest increment 0,001°
- max. spindle rotation speed 50 min<sup>-1</sup>
- max. opening 80 x 80 mm  
for clamping jaws and bar stock,  
prepared for exchangeable clamping jaws

**Automatic clamping system, integrated in NC-rotary-tables**

- incl. controlled pneumatics with 2nd pressure stage  
for actuating of the clamping jaws
- controlled air blow at the clamping jaws during  
opening, closing and feeding

**NC-feeding unit, complete installed consisting of:**

- programmable feeding unit,  
travel 10 - 600 mm,  
rapid traverse 40 m/min,  
mounted directly to machine base,
- clamping table 80 mm lower,  
without plate with hole grid
- gutter for bar stock,  
incl. cover, length 4 m
- bar feeding from left hand side

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| 1600 | 1 | <p><b>FANUC 18 i - 3-axes continuous path control</b><br/>           9.5" LCD monochrom screen<br/>           memory capacity 64 KB<br/>           drilling cycles G81-G89<br/>           absolute path measuring system<br/>           M- and T-functions<br/>           circular interpolation (360 degrees)<br/>           re-start into program<br/>           makro B sub-routines<br/>           look ahead<br/>           simultaneous programming<br/>           automatic corner override<br/>           32 tool offsets<br/>           cutter radius - contour compensation<br/>           6 zero shifts G54-G59<br/>           metric/inch switch<br/>           3 D-interpolation/helical interpolation<br/>           S-analogue<br/>           rigid tapping<br/>           orientated spindle stop<br/>           Slot for PCMCIA memory card<br/>           Interface RS 232C on the side at the control panel<br/>           software-limitswitch<br/>           NC-diagnosis<br/>           machine diagnosis</p> |
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**High speed skip and extended macro variables**  
(fast measurement input)

**ATA card with 64 MB**

**Card holder for ATA card**

1700	1	<p><b>Thermocontrol</b> (deactivated with use of measuring systems e.g. spindle probe, stationary 3D probe or laser control)</p>
1800	1	<p><b>Working hours and piece counter</b> in the screen</p>
1900	1	<p><b>Socket 230 V</b> at control panel</p>
2000	1	<p><b>Socket for portable mini-hand wheel</b> without emergency stop button, at control panel</p>
2100	1	<p><b>Machine enclosure</b> - bolted on, with loading door as sliding door to the right hand side, electrically interlocked, 2.000 mm high above floor, incl. machine lamp - opening with extension on the left hand side, with electrically interlocked cover for feeding unit opening on the right hand side, with electrically interlocked service door for removal of finished parts - console for basket for finished parts</p>
2200	1	<p><b>Coolant equipment with chip conveyor (scratch band)</b> <b>discharge height 490 mm</b> tank capacity 150 l, pump capacity 100 l/min. at 1,3 bar</p> <p><b>Precondition:</b> Coolant equipment or connection to central coolant system</p>
2250	1	<p><b>Coolant equipment</b> tank capacity 400 l, pump capacity 100 l/min at 1,8 bar</p>
2300	1	<p><b>Installation elements</b> For installation in an oil pan the installation directly on the sheet metal is not allowed. For out of it resulting problems there is no warranty. The machine documents for approval contain a proposal for the appropriate execution of the oil pan.</p>
2400	1	<p><b>Wash gun</b></p>

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| 2500 | 1 | <p><b>Exhaust fan with air cleaner</b><br/> exhaust capacity 500 m<sup>3</sup>/h</p> <p>Fumes and gases that arise during the processing are not separated by this unit. In this case we recommend the connection to a central exhaust system.</p>   |
| 3400 | 1 | <p><b>Fixture washing</b><br/> incl. coolant supply<br/> (for S-Machines)</p>  |
| 3500 | 1 | <p><b>Signal lamp for 3 signals</b><br/> Signal "red" = failure<br/> Signal "white" = machine loaded<br/> Signal "green" = machine is running<br/> S- Machines mounted on control panel<br/> W- Machines mounted on Machine enclosure</p>  |
| 3600 | 1 | <p><b>Cabinet cooler as a door mounting unit</b><br/> with sealed cabinet</p>  |
| 3700 | 1 | <p><b>Chiron Lasercontrol Single F295</b><br/> for tool breakage control,<br/> min. tool Ø &gt; 1mm,<br/> incl. test mandrel with tool holder,<br/> transmitter and receiver,<br/> gland and shutter</p> <p>Precondition for Fanuc:<br/> - High speed skip and macro common variables</p>            |
| 3800 | 1 | <p><b>Bar feeder</b><br/> Bars parallel, length approx. 6 metres</p>   |
| 3900 | 1 | <p><b>Sawing unit</b><br/> Controlled, mounted on the side outside the machine<br/> For cutting the finished workpiece to length during processing.</p>  |
| 4000 | 2 | <p><b>Pneumatik-Anschluss (A + B)</b><br/> für pneumatische Spannvorrichtung.<br/> Ein elektrisch gesteuerter Pneumatik-Anschluss für doppelt wirkende Spannzylinder; ein Druckregler; Spanndruckkontrolle mittels Differenzdruckschalter (bei Druckänderung entfällt Druckschalter-Nachführung)</p> |
| 4100 | 1 | <p><b>Brankamp machine protection system</b></p>   |
| 4200 | 1 | <p><b>Machine color</b><br/> two-component structured paint - 2 colors<br/> light grey acc. to NCS S 1502-B<br/> grey basalt acc. to RAL 7012</p>  |

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4450 1 **Documentation**  
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