CHIRON Group

Data sheet No. 20385473 / 30.06.2026

Item	Qty	Description
1000	1	**CNC-machining centre FZ 12 KW 265-10** **Condition: completely refurbished** **Year of construction: 2009**
1040	1	**In accordance with the scope described below** **Column moving machining centre** with machine bed in mineral cast technique and workpiece swivel table Guideways with long-term-grease lubrication
1060	1	**Machine enclosure with full enclosed workspace** with loading doors, electrically interlocked, including replaceable safety windows, workspace enclosure with stainless steel covers. 2140 mm high above floor, including machine lamp
1070	1	**Travel** X-axis 550 mm Y-axis 400 mm Z-axis 360 mm (plus the distance from the spindle mount to the clamping surface, as specified in the data sheet)
1080	1	**Digital main drive with spindle** with air purge and monitoring of the tool clamping 1,5 kW at 100 % 3,7 kW at 25 % spindle speed range up to 15.000 rpm; 17 Nm acceleration from 0 to 15.000 rpm or deceleration in 0,7 seconds Drilling capacity 16 mm (with insert drill) Tapping capacity M 16 Milling capacity 80 cm3/min
1090	1	**Workpiece swivel table 0/180 degrees** with centre divider made of sheet metal clamping surface 2 x 660 mm x 350 mm with thread and locating hole grid M16 x ø 15 H7 x 50 mm workpiece swivel time appr. 2,0 s weight-dependent, self-regulating through self-learning speed-control table loading capacity per side 300 kg, max. 100 kg weight difference between the two table sides
1100	1	**Mini-operating panel** with start and receipt push buttons, for pallet recognition M61/M62

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1110 1 **Digital feed drives for X-, Y- and Z-axis**
with digital direct drives and indirect absolut path measuring system
rapid traverse in X- and Y-axes 40 m/min, Z-axis 60 m/min,
acceleration X- and Y-axes 0,7 g, Z-axis 1 g

Remark:
With normal conditions the machine does not have to be anchored to the floor.
(For slippery floors we recommend anchoring.)

1120 1 **Automatic tool change**
through robust, full enclosed pick up tool changer,
with mechanical impact protection an cleaning
of the tool taper through air blow
No. of tools 48
Tool taper HSK-A 50 DIN 69893
Max. tool dia. max. 60 mm if all magazine pos. are occupied
Max. tool dia. for adjacent place
with max. dia 40 mm max. 100 mm
Max. tool dia. for adjacent place
with max. dia 20 mm max. 125 mm
Tool length max. 250 mm
Max. tool weight max. 3 kg
Tool change time appr. 0,9 s (depends on CNC)
Chip-to-chip-time appr. 2,4 s (depends on CNC)

1130 1 **FANUC 0 i - 3-axes continuous path control**
10.5" color screen
memory capacity 128 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
64 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
high speed skip
macro common variables

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1140 1 **CHIRON Maintenance Management in the screen**
display of the pending maintenance:
- advance warning = "prepare maintenance"
- warning = "carry out maintenance"
- machine stop = "catch up on maintenance"
Abridged instructions for the pending
maintenance with graphic illustration on USB flash drive.
Password protected confirmation of the performed
maintenance through the maintenance staff.

1160 1 **Installation elements**

1170 1 **Working hours and piece counter**
in the screen

1180 1 **Socket 230 V**
at control panel

1190 1 **Socket for portable mini-hand wheel**
without emergency stop button,
at control panel

1200 1 **Cabinet cooler as a door mounting unit**

1210 1 **Signal lamp on machine enclosure for 3 signals**
Signal "red" = failure
Signal "white" = load machine
Signal "green" = machine is running

1220 1 **Oil-free air service unit**
with automatic condensate separator,
pressure control of the air supply
and micro filter 0,01 µm for air purge

1230 1 **Wash gun**
with 1 connection and quick coupling each
in loading- and working area

1233 1 **Coolant equipment KF 110 / FKA 400**
tank capacity 400 l

low pressure pump capacity from 40 l/min. at 4.2 bar
up to 70 l/min at 2.2 bar
high pressure pump capacity 28 l/min at 30 bar

full stream purification via compact paper bond filter KF 110,
with coolant purification 50 µm nominal
twin filter in the high pressure circuit for
the protection of the machine

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1236 1 **Machine preparation**
for through tool coolant system including:
- Sealing system in the DIN 69893 HSK A50 collet
- coolant distributor installed at the main spindle drive
- Coolant leakage sensor
- Implemented mud flap in the high pressure piping and flow control switch
- 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 cannel.
- Reduction of the wear at the O-ring seal in the collet.

(Subject: required high pressure equipment)

1240 1 **Chip conveyor (scratch band)**
instead of standard coolant equipment
discharge height 490 mm
tank capacity 100 l,
pump capacity 110 l/min at 1,3 bar
coolant cleaning through slot filter box

1250 1 **Stationary 3D Probe System**
type TS 27 R, maker RENISHAW,
with adapter plate and
air blow for the measuring stylus,
for tool breakage control (in one working area),
for automatic tool length measurement (at FZ),
for automatic temperature compensation,
including process-orientated measuring,
software for measuring cycles,
strategy program and tool holder with ball dia. 12 mm.

1260 1 **Probe for automatic measuring in the machine**
Renishaw - probe - package OMP 40-2LS
for part measuring and
automatic machine compensation,
- probe with optical contact modul and tool taper suitable for machine spindle
- tracing pin 58 mm with ruby ball dia. 4 mm
- receiver OMI with integrated interface
- bracket for receiver
- process oriented measuring
- software for measuring cycles and strategy program

Remark:
For the carrying out of machine compensations with probe a suitable reference surface at the machine or at the fixture or an optional gauge block (VCS12100800) are necessary.

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1270	1	**Automatic loading door of total enclosure** opening and closing, actuating to closing via two-hand push buttons
1280	1	**Pneumatic- and Hydraulic Connections**
1290	1	**Central pneumatic supply** without control and 2 outlet couplings
1300	1	**Interface 4th and 5th NC axis**
1310	1	**Cutting tools** The cutting tools have to be balanced according to DIN 1940, class G 2,5, in two levels, with max. operating speed
1320	1	**Machine colour** Two-components-structure varnish - 2 colours light grey acc. to NCS S1502-B basalt grey acc. to RAL 7012
1330	1	**- Documentation -** **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