

CNC- machining center universal with milling and turning capabilities: Chiron FZ08 MT Precision+ high speed plus

Manufacturer:	Chiron
Year of manufacturing:	2017
Travels:	x 210 / y 200 / z 360 mm
Spindle:	Main spindle 3,5 / 5,2 kW
Tool holder:	HSK-E 32
Speed:	max. 54.000 rpm
Control:	Fanuc 31i- B5



Accessories, tools and clamping devices shown are only included in the scope of delivery if this is noted in the additional information.

Subject to changes and errors in technical data and information, as well as prior sale!

Unless otherwise agreed, sales to B&B customers are always without warranty.

Technical datas

Travels:

x- Axis:	210 mm
y- Axis:	200 mm
z- Axis:	360 mm
b- Axis:	-10° bis +100°
c- Axis:	360°

Main spindle:

Speed range – main spindle:	max. 54.000 rpm
Drive power – Main spindle (100/25%):	3,5 / 5,2 kW
Torque:	max. 2 Nm

Turning spindle:

Max. bar opening :	32 mm
Speed range:	15 – 8.000 rpm
Drive power (100/15%):	9 / 12 kW
Torque:	max. 14,3 Nm

NC- 2- Axis Swivel Device:

Swivel angle:	-60° bis + 180°
NC- Round Table Diameter:	170 mm

Tool Changer:

Tool holder:	HSK-E 32
Number of tool holders:	40 Pos.
Max. tool diameter:	45 / 100 mm
Max. tool length:	200 mm
Max. tool weight:	1,2 kg
Tool change time:	ca. 0,8 sec
Chip to Chip time:	ca. 2,5 sec

Feeds:

Rapid traverse (x/y/z):	75 m/min
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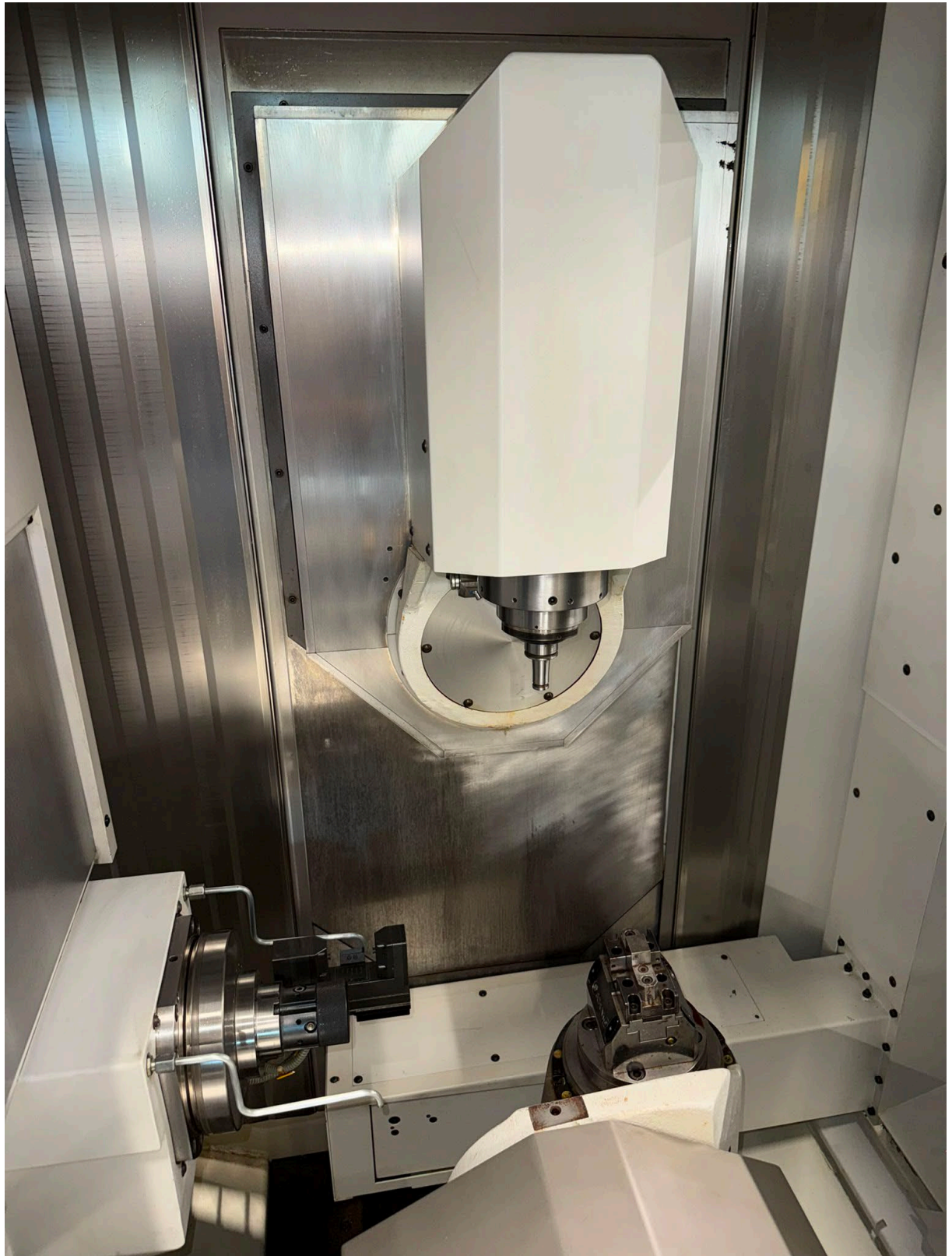
Operating hours:	ca. 250 h
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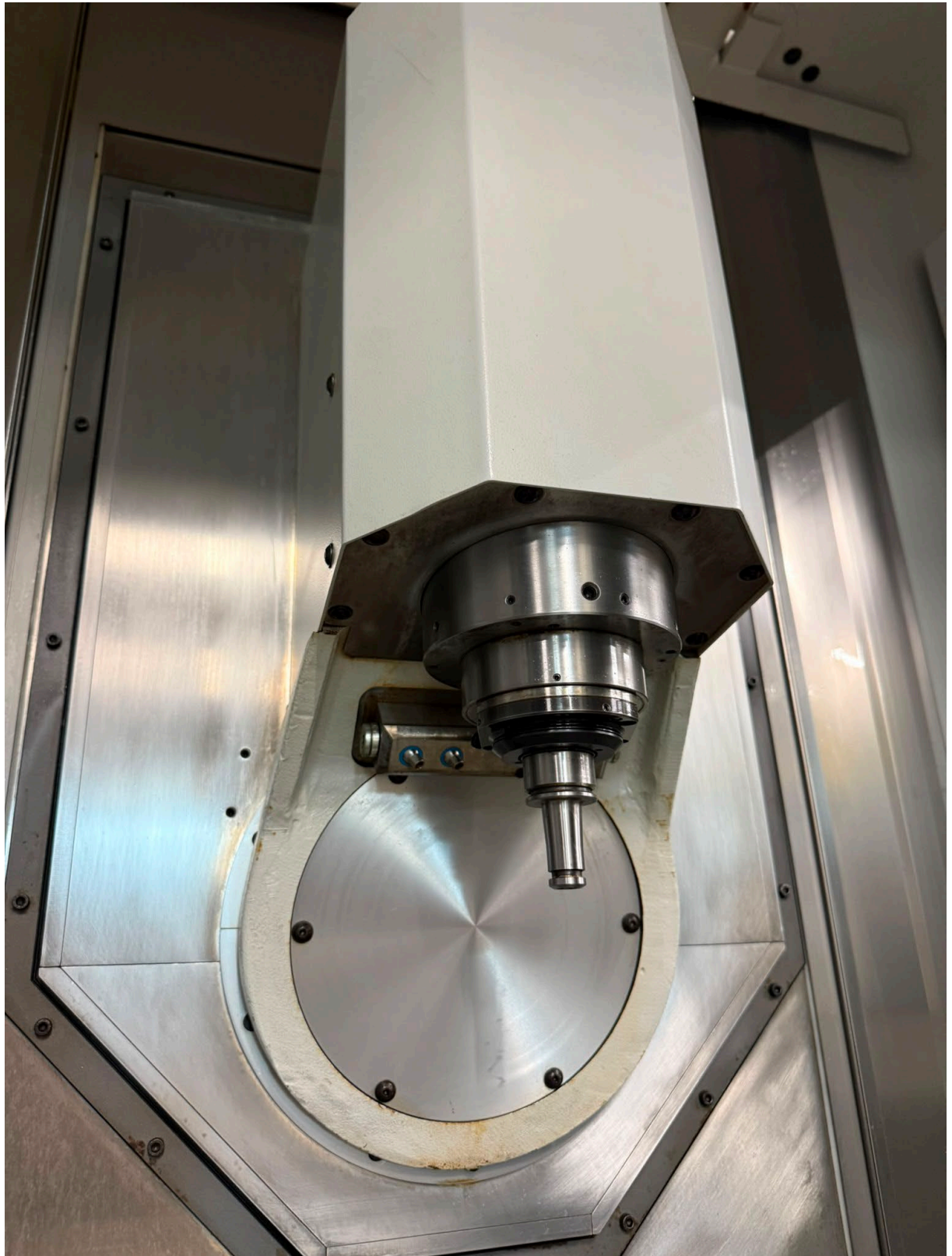
Technical Features & Accessories:

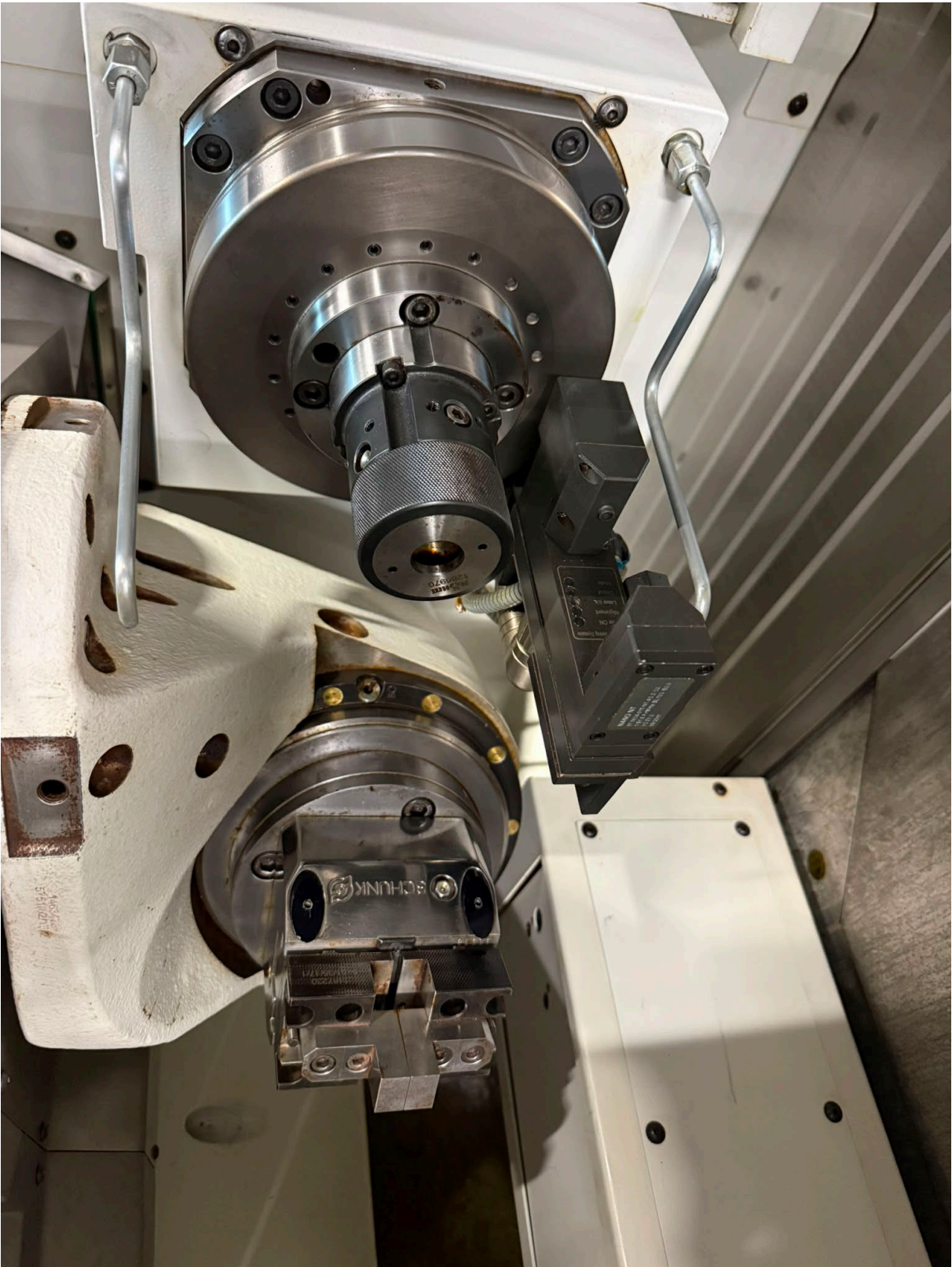
- NC swivel head with headstock, includes:
 - High-speed rotation speed: 100 rpm
 - Resolution: 0.001°
 - With direct measurement system: $\pm 5''$
 - Torque: 445 Nm
 - Electric brake: 200 Nm
- Main spindle drive with water-cooled motor spindle
- Chiron Spindle Monitoring
- Tool loading and unloading station
- Tool stations configured for turning tools (Nos. 29–38)
- Feed drive for X, Y, and Z axes; with water-cooled linear motors
- Direct position measurement system on the X, Y, and Z axes; pressurized
- Automatic centralized oil lubrication
- User interface in English
- 5-axis milling package
- Fanuc 3D collision monitoring
- Turning spindle with bar passage of max. 32 mm, includes:
 - Water-cooled motor spindle
 - Horizontally mounted
 - Direct position measurement system
 - Pneumatic spindle clamping, holding torque 100 Nm
 - Collet chuck, actuation force 22 kN
 - With integrated pneumatic release unit
 - Controlled pneumatic connection for spindle clamping
- Mechanically operated collet chuck; clamping range up to 16 mm
- Power outlet on the control panel
- Control cabinet cooler
- 3-color signal light
- Flushing gun
- Chiron FluidTower
- Oil-free maintenance unit with main electrical shut-off
- KF 150 / 500 coolant system, includes:
 - ND pump: 40 L/min at 3.2 bar to 120 L/min at 3.2 bar
 - HD pump: 43 L/min at 20 bar to 37 L/min at 70 bar
- Machine setup for coolant delivery through the spindle, with a rotary joint
- Fixture flushing, including coolant connection
- Fixture flushing, including coolant connection in the machining station for the 6th side
- Exhaust connection

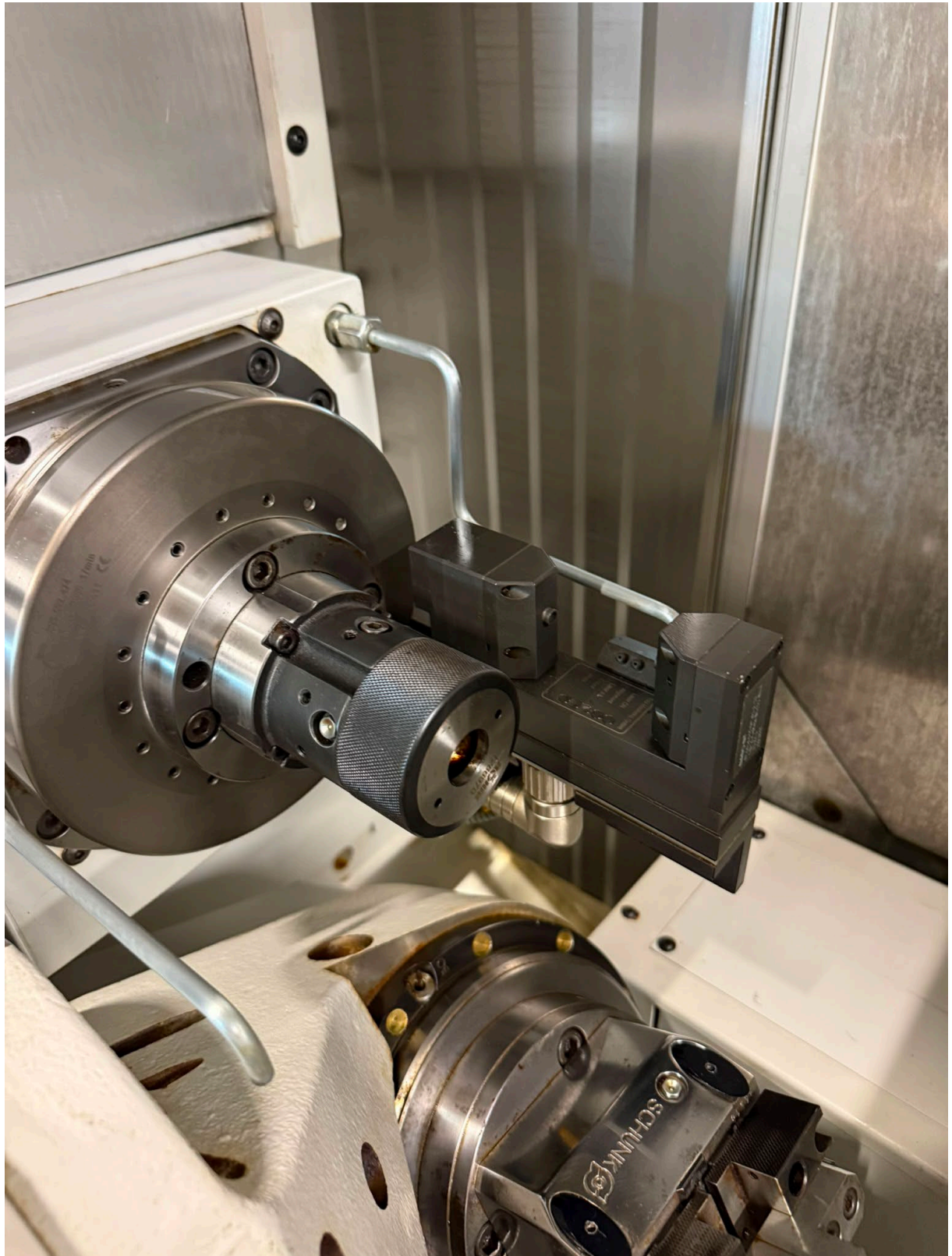
- 2-axis swivel device for machining the 6th side, includes:
 - NC swivel axis as a BT axis with straight-tooth gearing, minimum increment 7.5°
 - NC rotary table as a C-axis with threaded and fitted bore pattern
 - with ECN 225 absolute, direct position measurement system
 - digital direct drive via torque motor
 - max. load capacity of 50 kg on the faceplate
 - max. speed 1,000 rpm
 - includes water cooling
 - Central hydraulic or pneumatic rotary feedthrough, 6-wire
 - NC slide as the V-axis, parallel to the X-axis, with digital direct drive
- KSP-LH plus 100 Pneumatic Power Clamping Block
- Additional equipment: Measurement / Tool Breakage Detection
- Chiron Lasercontrol 40 NT, includes:
 - Min. tool diameter: 0.1 mm
 - Max. tool diameter: 40 mm
 - For tool breakage detection
 - For automatic tool measurement
 - For automatic machine compensation in 2 axes
 - With in-process measurement, software for measurement cycles, and strategy program
 - Includes blow-off nozzle for tool cleaning
 - Includes test mandrel with tool holder (if available)
- Preparation for Probe for automatic in-machine measurement, Renishaw RLP40Q
(Probe not included in the scope of delivery)
- Clamping and unclamping with the loading door open
- Chiron Powersave
- FANUC tool management
- Rotational feed for thread cutting without a compensating chuck
- Part ejection to the right out of the machine (automation-ready)

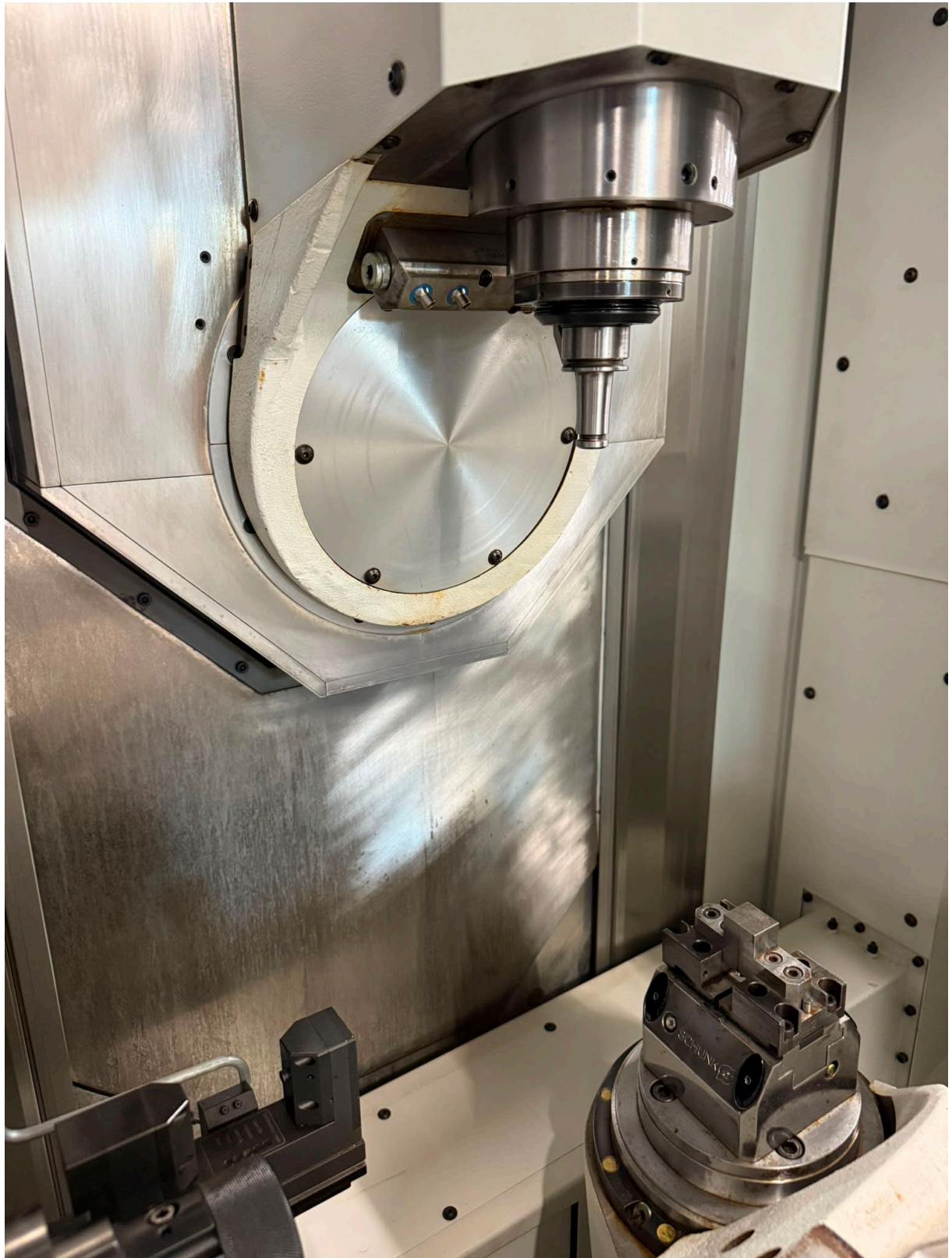














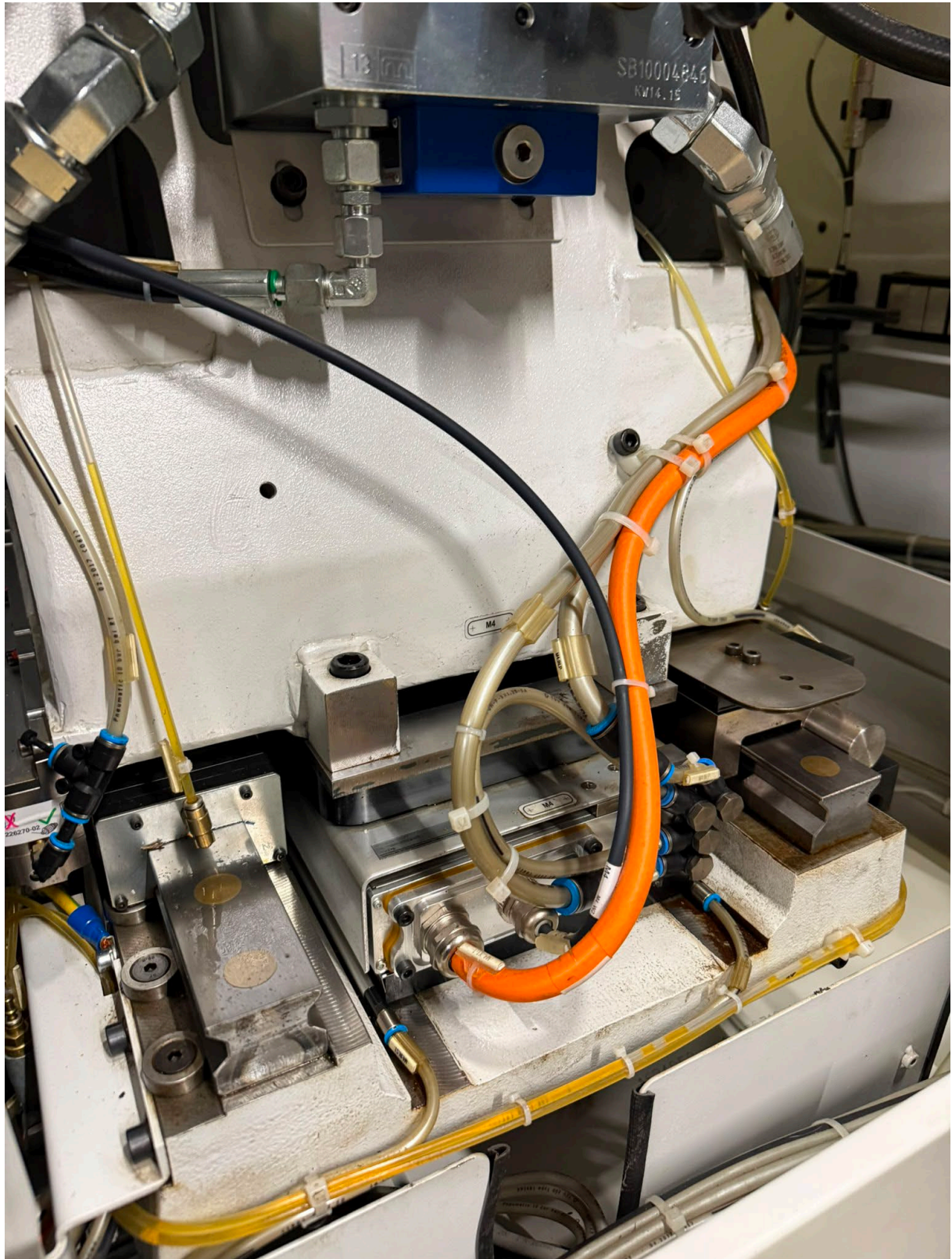
















ANUC Series 31i-MODEL B5

CHIRON MACHINE DATA ACQUISITION - CMDA TOTAL TIMES

	HH:MIN	NUMBER
MAIN SWITCH TURNED ON	243:07	220
MACHINE TURNED ON	167:07	321
ON ... NC-RUNNING	1:35	72
MA ... RUNNING	15:13	452
NC ... OVERRIDE <100%	1:07	219
NC ... OVERRIDE=0% OR FEED STOP	0:32	237
NC ... FOR LOADING	1:21	34
NC ALARM T>15 SEC.	2:36	30
PLC ALARM T>15 SEC.	1:44	126

COUNTER

PARTS FIELD 1
PARTS FIELD 2
PARTS 1. SHIFT
PARTS 2. SHIFT
PARTS 3. SHIFT

0	MEASURE PARTS	0
0	SCRAP PARTS	0
0	NUMBER OF TOOL CHANGES	4
0	OPTION	0
0	OPTION	?

JOG ***** 08:52:18 MILLING
SAVE DATA