

TYPE OF MACHINE :

CNC jig grinding machine

BRAND

HAUSER

MODEL

S40-400

NC RETROFIT

2020

STOCK N°

90128

LOCATION

**73240 St-Genix-les-Villages,
FRANCE**

[DIRECT LINK](#)





TECHNICAL CHARACTERISTICS

CNC control	FANUC Oi-MF
Stroke X axis	650 [mm]
Max. Stroke speed X axis	4000 [mm/min]
Working feed X axis	0 - 1800 [mm/min]
Stroke Y axis	450 [mm]
Working feed Y axis	0 - 1800 [mm/min]
Stroke Z axis	130 [mm]
Min. Stroke speed Z axis	0.5 [mm/min]
Max. Stroke speed Z axis	12000 [mm/min]
Stroke frequency Z axis	max. 4 [Hz]
Stroke W axis	500 [mm]
Planetary speed C axis	5 - 250 [rpm]
Max. Stroke speed W axis	800 [mm/min]
Stroke U axis (radial feed)	5.5 [mm]
Distance between columns	750 [mm]
Table length	770 [mm]
Table width	630 [mm]
Clearance between grinding motor and table	585 [mm]
Max. load on table	500 [Kg]
Supply voltage	400 [V]
Weight	5000 [Kg]

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ADDITIONAL INFORMATION

INCLUDED EQUIPMENT:

- 1 tool detection device
- 1 DONALDSON oil mist extraction unit DMC-D1,
- 2 45 S grinding motors, speed 9000 – 4500 [rpm] – reference: 144017,
- 1 80 S grinding motor, speed 40000 – 80000 [rpm] – reference: 144021,
- 1 T10 grinding turbine, speed: 100,000 [rpm] – reference: 157420,
- 1 turbine holder with filter – reference: 166497,
- 1 profile dresser on table, 200 [°] pivotable – reference: 194590
- 1 coolant tank + paper tape filtration device
- 6 collets,
- 1 operator's manual in French.

RETROFIT WORK CARRIED OUT IN 2020:

ELECTRICAL SECTION:

- Supply of an electrical cabinet equipped with a FANUC OiF numerical control,
- Supply of a control panel for FANUC with 15" screen and keyboard,
- Axes controlled by the numerical control: X, Y, Z, C, and U,
- Wiring of the electrical cabinet,
- Machine wiring with replacement of all sensors and cables,
- Connection and powering of the electrical cabinet,
- Adjustment of axis servos,
- Installation and programming of cycles and conversational pages for HAUSER.

MECHANICAL SECTION:

- Supply of axis motor adapters,
- Supply of an electrical rotary joint,
- Scraping of the table surface,
- Reassembly of the entire head and adaptation of the Fanuc motors on the C and U axes,
- Installation of all measuring systems (including 2 HEIDENHAIN linear glass scales on the X and Y axes).

ADDITIONAL CYCLE DEVELOPMENT:

- Development of a Blind Bore cycle and associated conversational pages,
- Modification of the conversational programming for the U axis: changing from piece diameter programming to radius programming in all existing grinding cycles,
- Modification of wheel data to be entered by radius instead of diameter,
- Modification of all wheel dressing cycles, straight, shapes, and ISO,
- Modification of all dressing compensations in all grinding cycles.

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