MULLER MACHINES SA
top second hand and new precision machine tools

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SAM 023658 **STUDER Type S 31 LEAN CNC**

Group	CNC cylindrical grinder
Manufacturer	STUDER
Type	S 31 LEAN CNC
Controller CNC	FANUC Series 21i-T
Year	2000

Centre height	175 mm
Distance between centres	650 mm
Workpiece weight on centres max.	80 kg
Grinding wheel right and left hand	
Grinding wheel:	
Diameter	500 mm
Width	63 mm
Bore	203 mm
Turret grinding tool holder for ext. and int.	2+1
Grinding wheel speeds:	
from	1400 t/min
up to	3200 t/min
Rotatable grinding spindle head (b-axis)	1 °
Peripheral speed	50 m/s
Longitudinal slide:	
Max. travel	800 mm
Transversal slide:	
Max. travel	254 mm
Work piece spindle head:	
speeds:	
from	1 t/min
up to	1000 t/min
Typing speed	30 t/min
rotatable	-15 / + 195 °
taper in spindle: MT	4
Required power	3 kW
Tailstock:	
con regolazione micrometrica	
Taper in tailstock:	3 CM
Spindle stroke	35 mm
Spindle diameter	50 mm
Air connect	5 - 7 bar
Voltage 50 Hz 3x	380 Volt
Grinding spindle motor	7.5 kW
Total power required	32 kVA
Machine's weight about	5200 kg
Overall dimensions machine:	
Length	3'000 mm
Width	2200 mm
Height	2100 mm

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Various accessories:

Touch probe MARPOSS	
Internal grinding attachment:	
Number of spindles	1
Grinding wheel speeds:	
up to	30000 t/min
Lamp	
RS-232 Interface	

Notes:

Machine refurbished	2026

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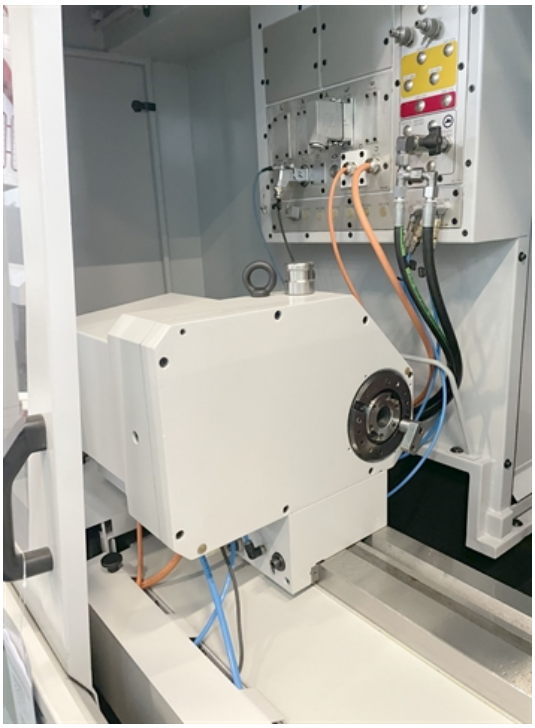

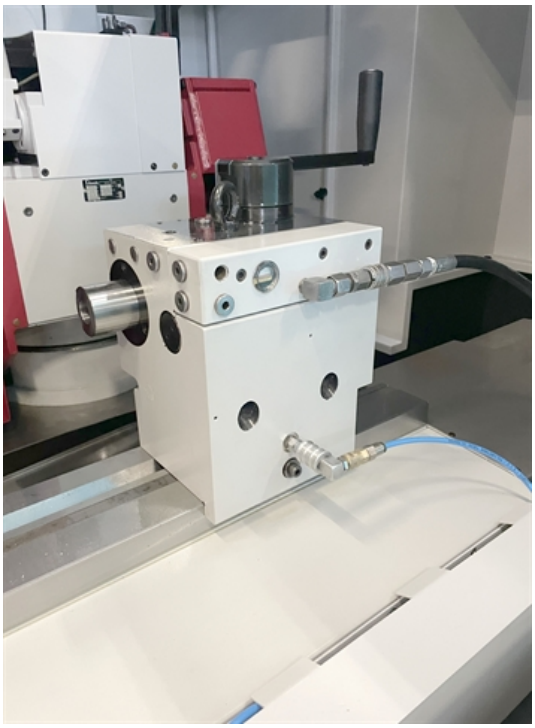

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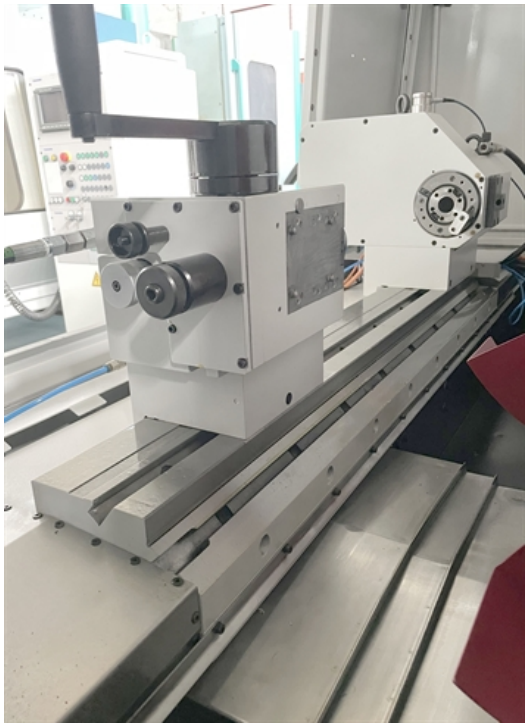

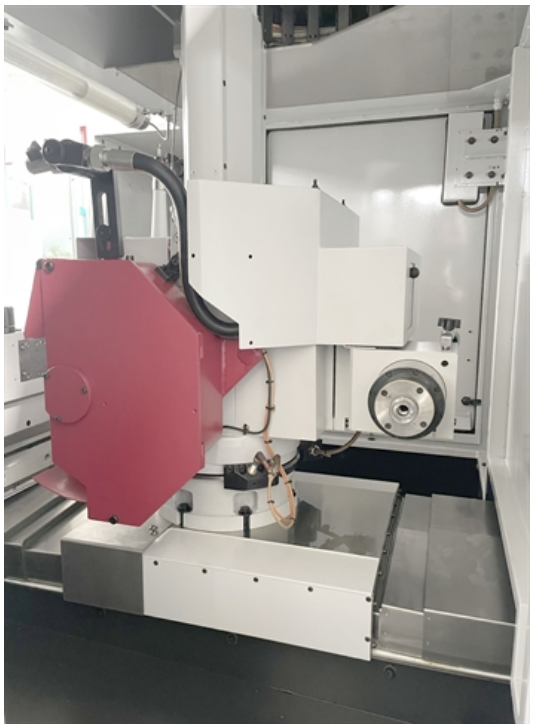

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