MULLER MACHINES SA
top second hand and new precision machine tools

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SAM 020762 **STUDER Type S 40 CNC**

Group	CNC cylindrical grinder
Manufacturer	STUDER
Type	S 40 CNC
Controller CNC	GE FANUC Series 16-GC
Youtube video	https://youtu.be/XFyL_JgL1MY

Centre height	175 mm
Distance between centres	1000 mm
Workpiece weight on centres max.	130 kg
Workpiece dimensions:	
Grinding weehl left side:	
Diameter	400 mm
Width	80 mm
Bore	127 mm
Grinding wheel right side:	
Diameter	400 mm
Width	80 mm
Bore	127 mm
B axis resolution max.	5 °
B axis swivelling range (automatic)	15° + 205 °
Grinding wheel speeds:	
number (steps)	2
up to	1670 / 2110 t/min
Revolving unit with Hirth serration	
Rotatable grinding spindle head (b-axis)	5 °
Peripheral speed	35 m/s
Longitudinal slide:	
Max. travel	1050 mm
Resolution	mm
Feed speed up	0.0001 - 10000 mm/min
Transversal slide:	
Max. travel	275 mm
Resolution	mm
Feed speed up	0.0001 - 10000 mm/min
Work piece spindle head:	
speeds:	
from	30 t/min
up to	750 t/min
rotatable	90 °
taper in spindle: MT	5
Required power	1 kW
Tailstock:	
Hydraulic return	
Taper in tailstock:	3 CM
Tailstock travel of barrel	35 mm
Max. table angular displacement	8.5 °

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Air connect	5 bar
Voltage 50 Hz 3x	400 Volt
Workpiece spindle motor	8 kW
Total power required	30 kVA
Machine's weight about	5100 kg
Overall dimensions machine:	
Length	3’750 mm
Width	1200 mm
Height	2300 mm

Various accessories:

Internal grinding attachment:	
Number of spindles	1
up to	60000 t/min
Lamp	
Tailstock with fine adjustement	
Electronic hand held control	

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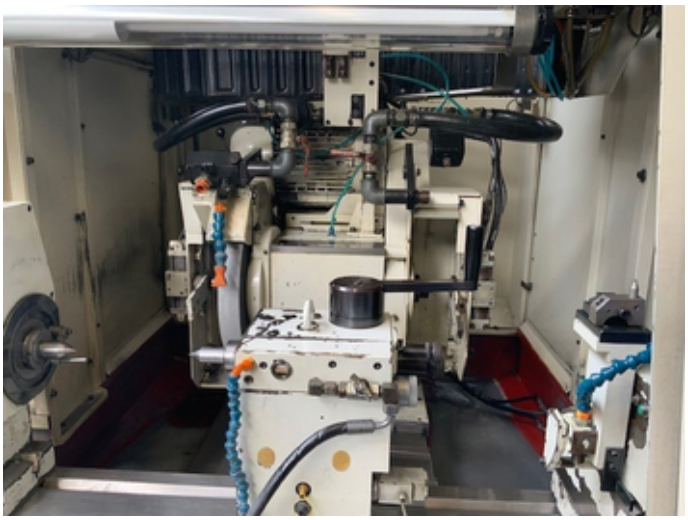

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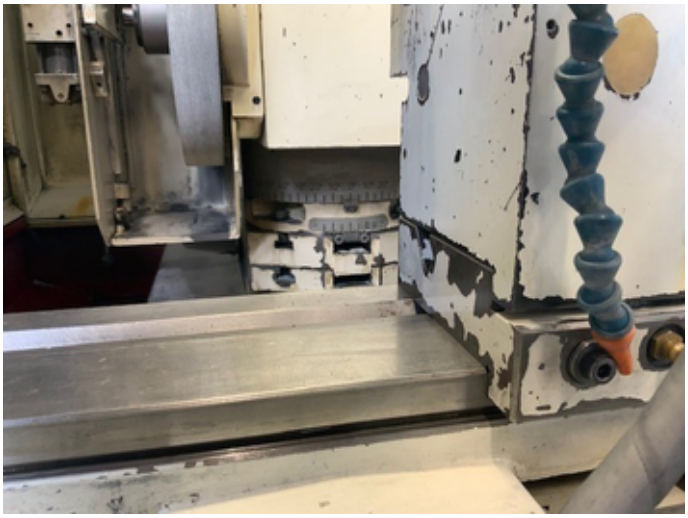

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