

SAM 023745**STUDER Type S 31 CNC**

Group	CNC cylindrical grinder
Manufacturer	STUDER
Type	S 31 CNC
Controller CNC	FANUC 16i-T
Year	2002
Youtube video	https://youtu.be/MuwFMPqutUU



Centre height	175 mm
Distance between centres	650 mm
Max. grinding diameter	348 mm
Grinding wheel left side:	
Diameter	500 mm
Width	63 mm
Grinding wheel right side:	
Diameter	400 mm
Width	63 mm
Turret grinding tool holder num. of spindles	2
Grinding wheel speeds:	
stepless	
from	1400 t/min
up to	3200 t/min
Rotatable grinding spindle head (b-axis)	-15 / +195 °
Resolution	1° HIRTH
Longitudinal slide:	Z
Max. travel	800 mm
Resolution of the scale	mm
Feed speed up	0.001 - 10000 mm/min
Transversal slide:	X
Max. travel	254 mm
Feed speed up	0.001 - 5000 mm/min
Resolution of the scale	mm
Work piece spindle head:	
speeds:	
stepless	
from	1 t/min
up to	1300 t/min
C axis	0.0001°
Spindle hole	26 mm
taper in spindle: MT	4
Tailstock:	
Taper in tailstock:	3 CM
Tailstock travel of barrel	35 mm
Voltage 50 Hz 3x	400 Volt
Workpiece spindle motor	3 kW
Total power required	23 kVA
Machine's weight about	5200 kg
Overall dimensions machine:	

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Length	3'000 mm
Width	2200 mm
Height	2100 mm

Various accessories:

Paper filtration system

Coolant filter system

C axis

0.0001°

Internal grinding attachment:

Number of spindles

1

Grinding wheel speeds:

up to

60'000 t/min

Lamp

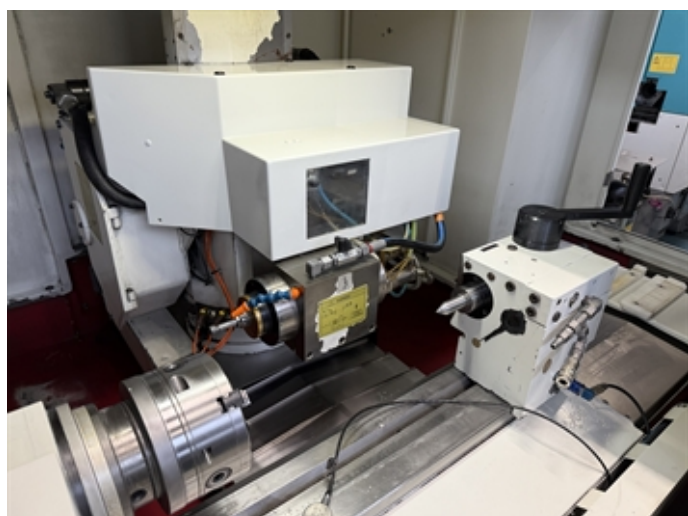
Electronic hand held control

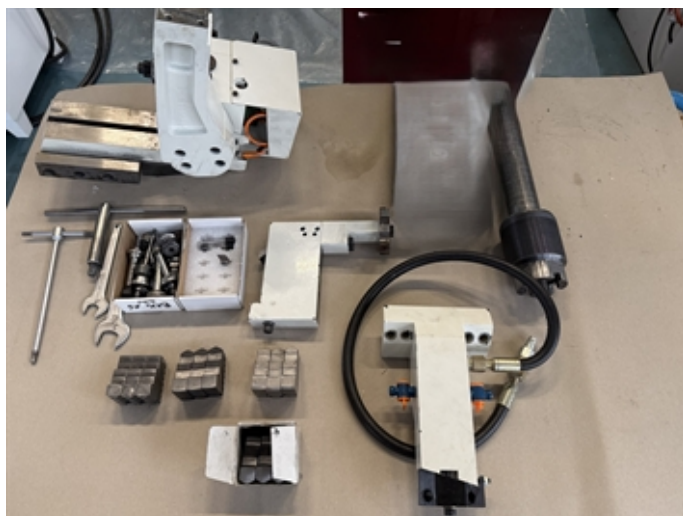
Grinding wheel right and left hand

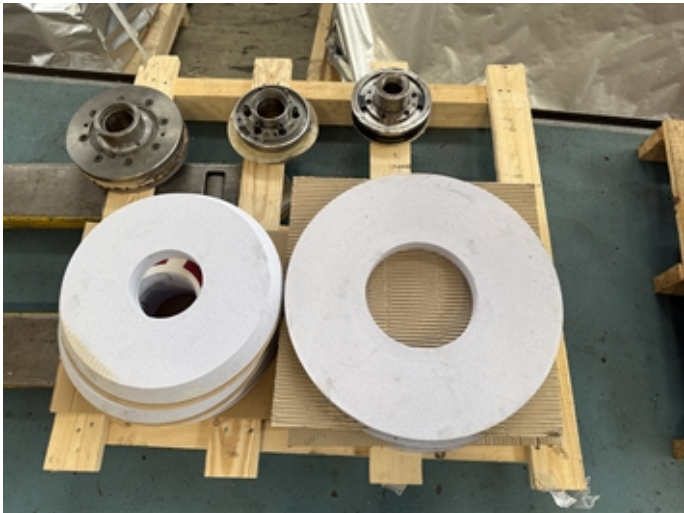
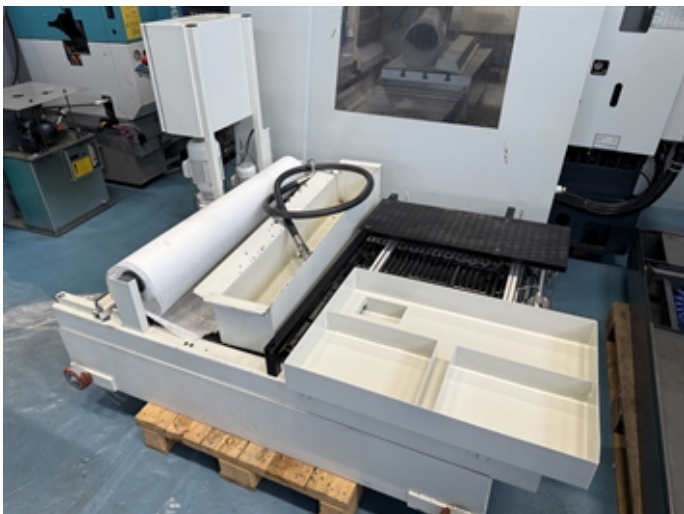
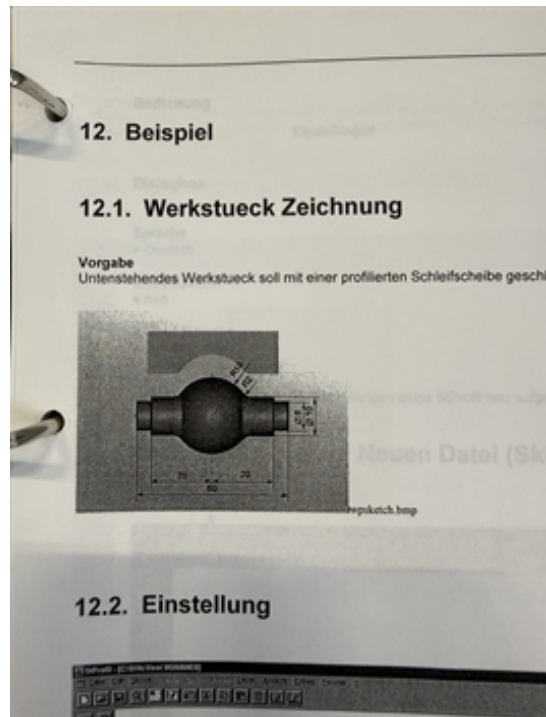
Machine refurbished

2017









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