

SAM 022918**STUDER Type S 145 CNC**

Group	CNC Internal grinder
Manufacturer	STUDER
Type	S 145 CNC
Controller CNC	FANUC 16T



Workpiece length max.	850 mm
Maximum workpiece weight	150 kg
Swing diameter:	
Above the workpiece table	350 mm
In front of the workpiece table	440 mm
Centre height	175 mm
Axial motion:	
Longitudinal travel (Z-axis)	500 mm
Cross travel (x-axis)	120 mm
Workpiece spindle stock (Q-axis)	+ / -30°
Feed range:	
Z axis (longitudinal travel)	0.001-10000 mm/min
X axis (transversal)	0.001-5000 mm/min
Diameter of grinding wheel	250 mm
B axis swivelling range	0 - 270 °
Grinding spindle head:	
Swivelling range	0 - 270 °
Number of positions	4
Work piece spindle head:	
speeds:	
stepless	
from	1 t/min
up to	1000 t/min
Typing speed	1 - 50 t/min
Spindle hole	50 mm
Work piece spindle nose CAMLOCK	6"
Air connect	5 bar
Voltage 50 Hz 3x	400 Volt
Workpiece spindle motor	3 kW
Total power required	22 kVA
Machine's weight about	5700 kg
Overall dimensions machine:	
Length	3000 mm
Width	2000 mm
Height	2200 mm

Various accessories:

Autom. tilting dressing attachment	
Rotating dressing spindle	HF 33
Electronic grinding detection	

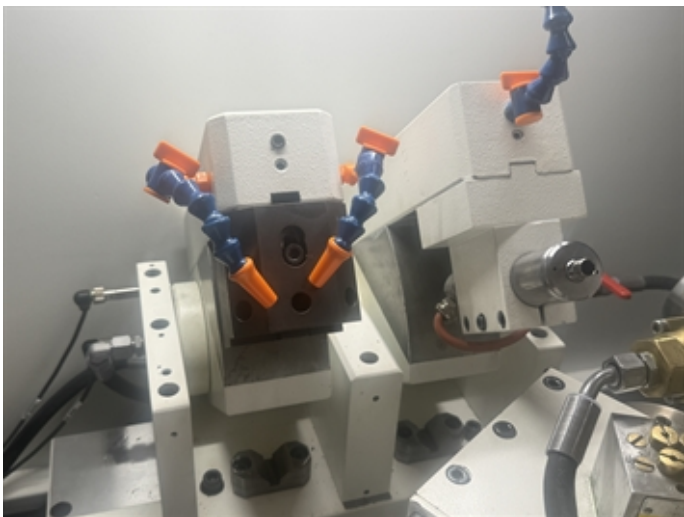
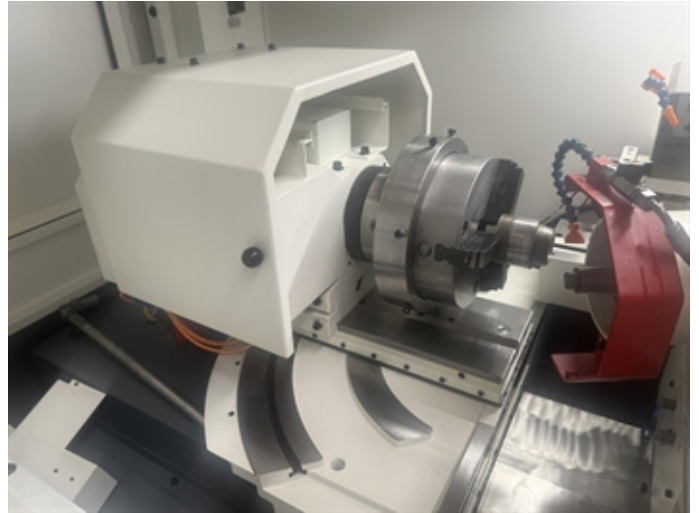
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Feed SENSITRON	
Coolant system	
Paper filtration system	
3-jaw chuck diameter	250 mm
Electronic hand held control	
Grinding spindle with cooling	
Foot pedal	
External grinding spindle numbers	1
max. speed	12000 t/min
Internal grinding spindle: numbers	3
max. speed	42000 t/min
max. speed	60000 t/min
Coolant through spindle (cts)	
max. speed	90000 t/min
Notes:	
Machine refurbished	2026

Machine freshly overhauled approx. April 2026



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