



Inventory number: 22550

CNC cylindrical grinder  
STUDER S 33 CNC  
FANUC 16i-TB  
2003



### Technical data

Centre height	175 mm
Distance between centres	650 mm
Workpiece weight on centres max.	80 kg
Grinding wheel:	
Diameter	500 mm
Width	63 mm
Bore	203 mm
max. width	80 mm
Grinding spindle head:	
Revolving unit with Hirth serration	
Swivelling range	-15 / 195 °
Automatic swivelling axis Hirth (B1)	1 °
Peripheral speed	50 m/s
Longitudinal slide:	
Max. travel	285 mm
Transversal slide:	
Max. travel	800 mm
Work piece spindle head:	
speeds:	
from	1 rpm
up to	1500 rpm
Holding taper:	5 MT
Typing speed	1 - 50 rpm
C axis	0.005 °
Tailstock:	
Taper in tailstock:	3 MT
Tailstock travel of barrel	35 mm
Spindle stroke	35 mm

Spindle diameter	50 mm
Max. table angular displacement	8.5 °
Air connect	5.5 bar
Voltage 50 Hz 3x	400 Volt
Grinding spindle motor	7.5 kW
Workpiece spindle motor	3 kW
Total power required	20 kVA
Machine's weight about	5000 kg
Overall dimensions machine:	
Length	2620 mm
Width	2090 mm
Height	2000 mm
Various accessories:	
C axis	
Touch probe MARPOSS	
Swivellable redressing device	
Internal grinding attachment:	
Rotation speed	
up to	40000 rpm
Extra spindle:	
Rotation speed	
up to	60000 rpm
Grinding wheel with flange	
Macnetic chuck diameter	150 mm
Tailstock with fine ajustement	
Switch cabinet Air conditioner	
DITTEL Sensitron Proximity System	











