



Inventory number: 22918

CNC Internal grinder  
STUDER S 145 CNC  
FANUC 16-TB (Release B)



### Technical data

Centre height	175 mm
Max. grinding length	200 mm
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
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)	0.001-10000 mm/min
Grinding spindle head:	
Swivelling range	0 - 270 °
Number of positions	4
Work piece spindle head:	
speeds:	
stepless	
from	1 rpm
up to	1500 rpm
Typing speed	1 - 50 rpm
Spindle hole	50 mm
taper in spindle: ISO	50
Work piece spindle nose CAMLOCK	6"
Air connect	5 bar

Voltage	50 Hz 3x	400 Volt
Workpiece spindle motor		1.4 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:		
Double swivelling dressing device		
Dressing spindle		
Rotation speed		60000 rpm
Coolant system		
Paper filtration system		
3-jaw chuck diameter		250 mm
Foot pedal		
External grinding spindle		
numbers		1
max. speed		12000 rpm
Internal grinding spindle:		
numbers		3
max. speed		42000 rpm
max. speed		60000 rpm
max. speed		90000 rpm

