



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 | |











