



Inventory number: 22384

CNC cylindrical grinder  
STUDER S 33 CNC  
GE FANUC Series 21i-TB  
2008



### 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      |
| with positiv index every         | 30 °       |
| Indexing manually                |            |
| 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 |
| 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:            |             |
| Pneumatic lifting               |             |
| Electrical measuring instrum.   | SENSITRON 6 |
| Touch probe MARPOSS             |             |
| Lamp                            |             |
| Tailstock with fine adjustment  |             |
| Switch cabinet Air conditioner  |             |
| Handwheel electroinic           |             |









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