



# CNC - CYLINDRICAL GRINDING MACHINE - STUDER S33

Machines sold

Brand :	<b>STUDER</b>
Model :	<b>S33</b>
Year :	<b>2005</b>

## TECHNICAL DETAILS & EQUIPMENT

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- distance between centers : 1000 [mm]
- centers height : 175 [mm]
- strokes (X/Z) : 285 / 1150 [mm]
- table orientation : 0 - 8,5 [°]

### GRINDING WHEEL HOLDER HEADSTOCK

- grinding wheels dimensions : 500 x 63 x 203,2 [mm]
- peripheral speed : 50 [m/sec]
- power : 7,5 [kW]

### PART HOLDER HEADSTOCK

- taper : CM5
- speeds : 1 - 1500 [Rpm]
- power : 3 [kW]
- bore : 30 [mm]
- indexing precision axis C : +/- 0,5 [°]
- Max. workpiece weight : 120 [kg]

### TAILSTOCK

- taper : CM4
- quill diameter : 50 [mm]
- quill stroke : 35 [mm]

### ELECTRICAL SUPPLY

- voltage : 400 [V]
- frequency : 50 [Hz]

#### WEIGHT & DIMENSIONS

- Machine floor space : 3.500 x 3.000 [mm]
- Machine height : 2.000 [mm]
- Machine weight : 5.300 [kg]

#### MACHINE HOURS

- Number of hours under power : 70.129 [h]

#### Equipment

- CNC control FANUC 21i-TB
- remote electronic handwheel
- programmable constant cutting speed
- direct measurement rules on X and Z
- tailstock with fine concentricity adjustment
- hydraulic tailstock quill recoil
- pneumatic assistance on headstock and tailstock
- MOVOMATIC diameter measuring device
- SENSITRON 2 contact detection
- Positioning system
- MPM dynamic wheel balancing

- fixed dressing on workpiece headstock
- coolant tank