

## STUDER S242

**Kind :** Cylindrical grinder cnc  
**Brand :** STUDER  
**Model :** S242  
**Year :** 2010  
**Stock Nr :** T13941



### TECHNICAL DETAILS

- Distance between centers	: 400 [mm]
- Useful diameter	: 180 [mm]
LINEAR AXES	
- Travel X1 x X2	: 220 [mm]
- Travel Z	: 850 [mm]
- Resolution X x Z	: 0,0001 [mm]
TURRET	
- Number of fixed position	: 12
- Tool type	: VDI 30
GRINDING-WHEEL HOLDER HEADSTOCK	
- Right external grinding (pos.1)	
- Grinding wheel dimensions (Ø x width x boring)	: 400 x 50 x 127 [mm]
- Training power	: 6.8 [kW]
PART-HOLDER HEADSTOCK	
- Max rotation speed	: 7500 [Rpm]
- Rotation speed ( synchronous operation )	: 1 - 5000 [tr/min]
- Taper type	: CM4
- C axe	: 0.001 [°]
- Training power	: 10.5 [kW]
TAILSTOCK	
- Max rotation speed	: 7500 [Rpm]
- Rotation speed ( synchronous operation )	: 1 - 5000 [tr/min]
- C axe	: 0.001 [°]
- Internal taper	: MK4

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- Micrometric adjustment : +/- 40 [microns]  
- Training power : 10.5 [kW]  
ELECTRICAL SUPPLY  
- Power : 45 [KVA]  
FLOOR SPACE  
- Floor dimensions : 2800 x 3960 [mm]  
- Machine weight : 7600 [kg]  
MACHINE HOURS  
- Hours under power : 57000 [h]

#### **EQUIPMENT**

- CN FANUC 310i-modelA  
- StuderWIN software  
- Interface : RS232C  
- Remote electronic handwheel  
- Turret with length probe Renishaw LP2  
- Marposs probes for diameters ( multirange) and Z4 axes pour positioning  
- Semiautomatic balancing MPM.3 BMT100 M.24  
- WATER TANK 480 L  
\* with paper filtration and magnetic  
\* With magnetic pre-filter  
- chips conveyor  
- Oil mist suction  
- Cooling unit for wheel motor  
- Electronic contact detection Dittel AE6000  
- Fixed diamond grinding device  
- Electrical cabinet air conditioning  
- Balancing shaft