

## STUDER S242

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



### TECHNICAL DETAILS

- Number of axes	:
- 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 positions	: 12
- Tool holder	: 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

**Kind : Cylindrical grinder cnc**

**Manufacturer : STUDER**

**Model : S242**

**Year : 2010**

**Stock : T13941**

- 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  
- Semi-automatic balancing MPM.3 BMT100  
M.24  
- Lubricating tank 480 L  
\* with paper filtration  
\* with magnetic 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  
- Interface for automatic loading system