

STUDER S242

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



TECHNICAL DETAILS

- Number of axes	: 5
- Distance between tips	: 400 [mm]
- Effective diameter	: 180 [mm]
LINEAR AXES	
- X1 and X2 x Z travel	: 220 [mm]
- Z travel	: 850 [mm]
- X x Z resolution	: 0.0001 [mm]
TURRET	
- Number of fixed positions	: 12
- Tool holders	: VDI30
WHEEL CARRIER	
- Right-hand external grinding	:
* Grinding wheel dimensions (Ø x width x bore)	: 400 x 50 x 127 [mm]
* Drive power	: 6.8 [kW]
WORKPIECE CARRIER	
- Max. speed	: 7500 [rpm]
- Speeds (synchronous operation)	: 1 - 5000 [rpm]
- Taper type	: CM4
- Drive power	: 10.5 [kW]
- C axis	: 0.001 [°]
SYNCHRONIZED COUNTER SPINDLE	
- Max. speed	: 7500 [rpm]
- Rotational speeds (synchronous operation)	: 1 - 5000 [rpm]
- C axis	: 0.001 [°]
- Inner cone	: MK4
- Micrometric adjustment	: +/- 40 [microns]

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POWER SUPPLY

- Power rating : 45 [KVA]

DIMENSIONS

- Floor dimensions : 2800 x 3960 [mm]

- Machine weight : 7600 [kg]

MACHINE HOURS

- Powered hours : 57000 [h]

EQUIPMENT

- NC FANUC 310i-modelA

- Software Studer WIN

- RS232 / USB interface

- Remote electronic handwheel

- Turret with Renishaw LP2 length self-calibration device

- Marposs feelers for diameters (multirange) + Z4 axes for positioning

- Semi-automatic wheel balancing MPM.3

BMT100 M.24

- 480 L coolant tank

* with paper filter

* with magnetic filter

- Chip conveyor

- Fog extraction

- Cooling unit for grinding wheel motor cooling

- Electronic contact detection Dittel AE6000

- Fixed dressing device on workhead

- Electrical cabinet air conditioning

- Balancing shaft

- Interface for automatic loading system