

**SAM 023247****STUDER Type S 41**

|                       |                                                                         |
|-----------------------|-------------------------------------------------------------------------|
| <b>Group</b>          | CNC cylindrical grinder                                                 |
| <b>Manufacturer</b>   | STUDER                                                                  |
| <b>Type</b>           | S 41                                                                    |
| <b>Controller CNC</b> | GE FANUC Series 31i-Model A                                             |
| <b>Year</b>           | 2012                                                                    |
| <b>Youtube video</b>  | <a href="https://youtu.be/itej7G12hP8">https://youtu.be/itej7G12hP8</a> |



|                                     |              |
|-------------------------------------|--------------|
| Centre height                       | 225 mm       |
| Distance between centres            | 1000 mm      |
| Max. work piece diameter            | 550 mm       |
| Travels:                            |              |
| Z axis                              | 1150 mm      |
| X axis                              | 350 mm       |
| Workpiece dimensions:               |              |
| Diameter                            | 550 mm       |
| Height                              | 1000 mm      |
| Weight                              | 250 kg       |
| Grinding wheel:                     |              |
| Diameter                            | 500 mm       |
| Width                               | 32-80 mm     |
| B axis resolution max.              | 0.0005 °     |
| Grinding spindle head:              |              |
| B axis swivelling range (automatic) | -45° - 225 ° |
| Peripheral speed                    | 50 / 80 m/s  |
| Internal grinding spindle bore      | 120 mm       |
| speeds:                             |              |
| from                                | 750 t/min    |
| up to                               | 4500 t/min   |
| Tailstock:                          |              |
| Spindle stroke                      | 60 mm        |
| Spindle diameter                    | 60 mm        |
| Air connect                         | 5 bar        |
| Voltage 50 Hz 3x                    | 400 Volt     |
| Workpiece spindle motor             | 15 kW        |
| Machine's weight about              | 9000 kg      |

**Various accessories:**

High resolution C-axis

Coolant system

B axis

Redressing device

Internal grinding attachment:

Number of spindles

2

Grinding wheel speeds:

from

24'000 t/min

up to

42'000 t/min

Lamp

[www.mullermachines.ch](http://www.mullermachines.ch)

Status light  
PC system  
Electronic hand held control  
Foot pedal

With external grinding, internal grinding and Y-axis  
High-resolution C-axis + B Axis  
Without tailstock





