

**Machine Name : Internal and external cylindrical grinder**

**Brand : STUDER**

**Machine Model : S141**

**Stock No. : 10796**

**Ex-factory Date : 2023**



**Main Technical Parameters:**

Main dimensions

Swing dia. over the table 400 mm (15.7")

Part length including clamping devices max. 700 mm (27.5")

Internal grinding length max. 250 mm (9.8")

External grinding length max. 150 mm (5.9")

Traverse axis X

Max. travel 425 mm (16.7")

Speed 0.001 ~ 20000 mm/min (0.00004 ~ 787 ipm)

Resolution 0.00001 mm (0.0000004")

Longitudinal axis Z

Max. travel 700 mm (27.5")

Speed 0.001 ~ 20000 mm/min (0.00004 ~ 787 ipm)

Resolution 0.00001 mm (0.0000004")

### Swiveling Table

Swiveling range, continuously adjustable -10 to +20 deg.

Repetition accuracy < 1"

Swiveling time for 20 deg. < 3s

### Grinding spindle turret

Spindle set-up Turret

Max. number of spindles 4

Swiveling range -50 to +280 deg

Repetition accuracy < 1"

Swiveling time for 180 deg. < 4s

Resolution 0.00005 deg

### Internal Grinding



