

favorit

The price hit
for long workpieces.



Key data:

The favorit is a CNC universal cylindrical grinding machine for the individual and batch production of long workpieces. It has a distance between centres of 1600 mm and a centre height of 175 mm. It can machine workpieces with a maximum weight of 150 kg.

favorit – the price hit

If you believe that a large STUDER machine will exceed your budget, we recommend you have a look at the favorit. This machine, top in price and performance, can be used universally and thanks to the centre distance of 1600mm (63") it can also handle long workpieces.

Main dimensions

Distance between centres	1 600 mm (63")
Height of centres	175 mm (6.9")
Grinding length	1 600 mm (63")
Max. workpiece weight between centres	150 kg (330 lbs)

Cross slide: X-axis

Max. travel	370 mm (14.6")
Speed	0.001 – 10 000 mm/min (0.000,04 – 394 ipm)
Resolution	0,00001 mm (0.000,000,4")

Longitudinal slide: Z-axis

Max. travel	1 750 mm (68.9")
Speed	0,001 – 20 000 mm/min (0.000,04 – 787 ipm)
Resolution	0,00001 mm (0.000,000,4")

Wheelhead

Type: external

Type: universal

Fixed, wheel right	0 deg / 15 deg / 30 deg
Swivel range	-15 deg bis +225 deg
Automatic swivelling axis	3 deg Hirth
Fitting taper	dia. 63 mm (2.48")
Drive power	7,5 kW (10 hp)
Grinding wheel right, dia. x width x bore	500 x 63 (80 F5) x 203 mm (20" x 2.5" (3.15"F5) x 8")
Circumferential speed	up to 50 m/s (9840 sfpm)
Internal grinding device for belt spindle	dia. 100 mm (3.9")
Speeds	20000/40000/60000 rpm

As with all STUDER cylindrical grinding machines, the proven Granitan® machine bed ensures the legendary precision. The wheelhead, which can be automatically positioned every 3 deg, can take one belt-driven external and internal grinding spindle respectively.

Universal workhead MT4

Speed range	1 – 1 500 rpm
Bar capacity	dia. 26 mm (1")
Driving power	1,8 kW (2.4 hp)
Max. load for live spindle grinding	70 Nm (52 ft lbs)

Universal workhead ISO50

Speed range	1 – 650 rpm
Bar capacity	dia. 50 mm (1.96")
Driving power	2,5 kW (3.4 hp)
Max. load for live spindle grinding	180 Nm (134 ft lbs)

Tailstock MT3

Barrel stroke / Diameter	35 mm / 50 mm (1.37" / 1.97")
Fine adjustment for cylindricity corrections	±40 µm (0.0016")

Tailstock MT4

Barrel stroke / Diameter	60 mm / 60 mm (2.36" / 2.36")
Fine adjustment for cylindricity corrections	±80 µm (0.0032")

Control unit

Fanuc Oi



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