

CZMOOS
TRADING s.r.o.



Heavy duty CNC lathes
with turning dia 1000-2000 mm

Universal CNC lathe series SU

This is the latest product with M - MOOS Workshop Ltd. This series of lathes series " heavy duty " is completely assembled in the Czech Republic. This is a really solid and heavy CNC lathes , which are designed according to the latest trends in metal and also reflect the experience of M - MOOS Ltd. production of conventional and CNC lathes . The CNC lathe is available with Fanuc control system , or SIMENS Haidenhain . It is designed for roughing and finishing large shaft and flange parts , the thread cutting , drilling, turning, cones and various shaped surfaces of revolution.

Lathe is designed as standard with a Fanuc spindle drive (Siemens) a22/26 kW, which allows the spindle positioned in a certain position. Work efficiency is enhanced by advanced gearing mechanism that allows automatic changes gears without stopping labor operations. Customized machine can be equipped with 4-position tool post or 8-position tool post. 8 positional horizontal cutter block is offered as an optional accessory. The basic equipment is a machine equipped with a chip conveyor

All major parts, such as bed, slide, headstock are iron castings, which are internally reinforced to resist bending and damped vibration generated during machining.



Model	SU 100M CNC	SU 125M	SU 140M	SU 160 M	SU 200 M
Max. swing diameter over bed	1000 mm	1250 mm	1400 mm	1600 mm	2000 mm
Max. swing diameter over cross slide	630 mm	880 mm	1030 mm	1250 mm	1600 mm
Distance between centers	1500, 2000, 3000, 4000, 5000 mm	1500/2000/3000/4000/5000/6000/8000 mm		3000, 5000, 6000, 8000 mm	
Width of guideways	755 mm	755 mm	755 mm	970 mm	970 mm
Spindle motor power	22/26 kW	37/45 kW	37/45 kW	37/45 kW	37/45 kW
Max. workpiece weight (without support)	1000 kg	1000 kg	1000 kg	3000 kg	3000 kg
Max. workpiece weight clamp (with support)	6000 kg	6000 kg	6000 kg	10000 kg	10000 kg
Spindle boring	130 mm	130 mm (160 option)	130 mm (160 option)	130mm	130mm
Taper of spindle	čelo 140 mm 1:20	140 mm	140 mm	140 mm 1:20	140 mm 1:20
Spindle nose	A2-15	A2-15	A2-15	A2-15	A2-15
Spindle speed	5-500 rpm	5-315 rpm	5-315 rpm	2-250 rpm	2-250 rpm
Tailstock sleeve diameter	200 mm	200 mm	200 mm	240mm	240mm
Tailstock sleeve travel	300 mm	300 mm	300 mm	250 mm	250 mm
Tailstock sleeve taper	M6	M6	M6	M6	M6
Positioning accuracy X axe	0,03 mm	0,03 mm	0,03 mm	0,03 mm	0,03 mm
Positioning accuracy Z axe	0,06 mm	0,06 mm	0,06 mm	0,06 mm	0,06 mm
Repeatability X axe (full stroke)	0,012 mm	0,012 mm	0,012 mm	0,012 mm	0,012 mm /min
Repeatability Z axe (full stroke)	0,025 mm	0,025 mm	0,025 mm	0,025 mm	0,025 mm
Working accuracy	IT6-IT7	IT6-IT7	IT6-IT7	IT6- IT7	IT6- IT7
Accuracy of tool post	0,005 mm	0,005 mm	0,005 mm	0.005 mm	50×50 mm
Time of tool post change	4s	4s	4s	6s	6s
Max. tool capacity	40x40 mm	40x40 mm	40x40 mm	50×50 mm	50×50 mm
Machine weight 3000 mm (±1t per one meter)	11500 kg	12 000 kg	12 700 kg	21, 25, 28, 30t	21, 25, 28, 30t