ROMI

CNC TEACH LATHES

ROMI C 680

Front and rear chuck up to Ø6.7" through-bore

CE-compliant fully enclosed splash guard

Easy to learn CNC w/ conversational programming
No G-code experience necessary

Heavy-duty machine structure made of high quality cast iron

ROMI C 420 | ROMI C 510 | ROMI C 620 | ROMI C 680 | ROMI C 830 | ROMI C 1000 | ROMI C 1000BB

Standard Features

- 45-Horsepower AC main motor
- 2-Speed Gearbox
- Up to Ø 6.7" through-bore
- Advanced intuitive programming system
- Thread repair cycles
- USB, Ethernet and Compact Flash ports
- CE Fully enclosed splash guard
- 3 Mb Program memory

Plus...

- 2-electronic hand wheels with Teach-in mode
- Tailstock with adjustable quill
- Remote Jog Handle
- Spindle orientation
- Coolant pump kit
- Rigid tapping
- User-created macros
- 200-480VCA power supply
- 24 months control warranty (parts and labor).

Options | partial list

- Manual or Hydraulic chuck
- 4-station and 8-Station automatic turrets
- Tool post / tool holders
- Hydraulic tailstock quill
- Steady rests
- Upgrade to chip conveyor hinged belt
- Robot interface
- Remote diagnosis

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ROMI Machine Tools, Ltd. | www.romiusa.com | (859) 647-7566

ROMI CNC Teach Lathes

ROMI C 680

CNC Lathes from ROMI C Series are machines with great versatility for machining different types of parts, with great levels of power, quick movements and machining accuracy.
The robust structure provides the rigidity and stability needed to achieve the best performance over a wide variety of machining conditions.

State of the Art Performance and Reliability

The ultimate in accuracy - control equipped with 80-bit NANOFP accuracy.

Guideways - hardened and ground to ensure high wear resistance. Its self adjusting system assures permanent contact between the cross slide and the machine bed.

Movable Apron - offers the operator the convenience preferred during Manual machining or during setup.

Capacities	INCH	METRIC
Center Heights	13.9 in	352 mm
Distance Between Centers	80 in /	2,000 mm /
	120 in	3,000 mm
Swing Over Bed	26.8 in	680 mm
Swing Over Cross Slide	16.9 in	430 mm
Swing Over Saddle Wings	24.4 in	620 mm
Slide Travel In / Out (X-Axis)	14.2 in	360 mm
Linear Carriage Travel (Z-Axis)	79.7 in /	2,025 mm /
	119.1 in	3,025 mm
Bed		
Width	15.0 in	380 mm
Height	15.7 in	400 mm
Headstock		
Spindle Nose	A2-8"	A2-8"
Spindle Bore	4.09 in	104 mm
Recommended Chuck Size Up To	20.87 in	530 mm
Speed Ranges	1 to 1,800 rpm	1 to 1,800 rpm
ID Spindle Bearing	6.30 in	160 mm
Spindle Nose	A2-11"	A2-11"
Spindle Bore	6.77 in	172 mm
Recommended Chuck Size Up To	20.87 in	530 mm
Speed Ranges	1 to 1,000 rpm	1 to 1,000 rpm
ID Spindle Bearing	9.00 in	228.6 mm
Feeds		
Rapid Traverse (Z-Axis)	315 ipm	8 m/min
Rapid Traverse (X-Axis)	315 ipm	8 m/min
Manual Tailstock		
Tailstock Positioning	Drag by the table	
Quill Drive	Manual or Opt. Hydraulic	
Maximum Quill Stroke	7.09 in	180 mm
Quill Diameter	5.12 in	130 mm
Quill Taper Hole	5 MT	5 MT
Installed Power		
AC Main Motor	45.0 HP	33.6 kW
Power Supply	200 to 480V, 3Phase, 40kVA	
Dimensions and weight		
Floor space - 80" / 2 m bed	262 x 96 in /	6.65 x 2.43 m /
Floor space - 120" / 3 m bed	303 x 96 in	7.70 x 2.43 m
Approx. net weight - 80" / 2 m bed	13,860 lbs /	6,300 kg /
Approx. net weight - 120" / 3 m bed	15,400 lbs	7,000 kg

Specifications subject to change without notice