



CNC TEACH LATHES

# ROMI C 830

Front and rear chuck up to  
Ø10.2" through-bore

Traveling chip 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
- Front and Rear chuck
- Up to Ø 10.2" 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 chucks
- 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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Specifications subject to change without notice



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 NANOPF 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	17.1 in	435 mm
Distance Between Centers	120 in / 200 in	3,000 mm / 5,000 mm
Swing Over Bed	33.5 in	850 mm
Swing Over Cross Slide	21.7 in	550 mm
Slide Travel In / Out (X-Axis)	20.5 in	520 mm
Linear Carriage Travel (Z-Axis)	118.9 in / 197.6 in	3,020 mm / 5,020 mm

Bed	INCH	METRIC
Width	18.1 in	460 mm
Height	16.5 in	420 mm

Headstock	INCH	METRIC
Spindle Nose	A2-11"	A2-11"
Spindle Bore	6.30 in	160 mm
Recommended Chuck Size Up To	27.56 in	700 mm
Speed Ranges	1 to 1,000 rpm	1 to 1,000 rpm
ID Spindle Bearing	9.00 in	228.6 mm

Spindle Nose	A2-15"	A2-15"
Spindle Bore	10.24 in	260 mm
Recommended Chuck Size Up To	27.56 in	700 mm
Speed Ranges	1 to 550 rpm	1 to 550 rpm
ID Spindle Bearing	13.63 in	346.08 mm

Feeds	INCH	METRIC
Rapid Traverse (Z-Axis) - 120" bed	315 ipm /	8 m/min /
Rapid Traverse (Z-Axis) - 200" bed	197 ipm	5 m/min
Rapid Traverse (X-Axis)	315 ipm	8 m/min

Manual Tailstock	INCH	METRIC
Tailstock Positioning	Drag by the table	
Quill Drive	Manual or Opt. Hydraulic	
Maximum Quill Stroke	7.87 in	200 mm
Quill Diameter	5.12 in	130 mm
Quill Taper Hole	5 MT	5 MT

Installed Power	INCH	METRIC
AC Main Motor	45.0 HP	33.6 kW

<b>Power Supply</b>	200 to 480V, 3Phase, 40kVA	
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Dimensions and weight	INCH	METRIC
Floor space - 120" / 3 m bed	296 x 126 in /	7.52 x 3.20 m /
Floor space - 200" / 5 m bed	375 x 126 in	9.52 x 3.20 m
Approx. net weight - 120" / 3 m bed	22,550 lbs /	10,250 kg /
Approx. net weight - 200" / 5 m bed	30,250 lbs	13,750 kg