



ROMI®

CNC LATHE



Illustrative image
Equipped with optional

Romi C 620

Technical features

- CNC lathe for multiple operations with several chuck and toolholder configurations
- Bed supported by internally ribbed cast iron columns, forming a structure of great rigidity and stability. Provides high performance over a wide range of machining conditions at full power
- Main headstock in two versions:
 - Geared headstock, driven by AC motor with pulleys and poli-V belt, with two manually selected speed ranges
 - Direct drive headstock, driven by AC motor with pulleys and poli-V belt, with continuous speed variation
- CNC Siemens Sinumerik 802D sl-PLUS, with high performance and reliability

Standard equipment

- Automatic centralized lubricating system with line filter and oil level sensor
- Complete coolant system with reservoir capacity 180 liters (47,5 gal) for 1.000 mm between centers version and 230 liters (60,7 gal) for 2.000 mm between centers version with two pumps available for mandatory choice (2 bar and 7 bar)
- Complete electrical installation for 380 / 400 Vca, 50 / 60 Hz (USA and other markets)
- Complete electrical installation for 400 Vca, 50 / 60 Hz (CE market)
- Fully enclosed splash guard, additional door with safety window interlocked by electrical safety switch
- Removable chip box
- Sealed worklight
- Set of leveling screws and nuts
- Set of manuals in CD
- Set of wrenches for machine operation
- Siemens Control 802D sl - Plus, with 10.4" LCD color monitor
- Standard colors: Texturized epoxy enamel Munsell Blue 10B-3/4 and Texturized Epoxy Gray RAL 7035
- Tailstock with manual body positioning and manually operated quill (dry tip) MT-5

Accessories

- 3-jaws hydraulically operated chuck, with rear hydraulic cylinder:
 - Ø 254 mm (Ø 10"), bar capacity Ø 64 mm (Ø 2.5") (A)
 - 315 mm (Ø 12.4"), bar capacity Ø 64 mm (Ø 2.5") (A)
- 3-jaws universal chuck, with reversible jaws:
 - Ø 250 mm (Ø 9.8"), thru-hole Ø 76 mm (Ø 3")
 - Ø 315 mm (Ø 12.4"), with Ø 103 mm hole (Ø 4")
- 4-jaws independent chuck:
 - Ø 315 mm (Ø 12.4"), thru-hole Ø 80 mm (Ø 3.15"), 1,200 rpm (máx.)
 - Ø 400 mm (Ø 15.7"), thru-hole Ø 100 mm (Ø 3.9"), 800 rpm (máx.)
 - Ø 500 mm (Ø 19.7"), thru-hole Ø 125 mm (Ø 4.9"), 500 rpm (máx.)
- 4-station vertical automatic turret, electrically driven,
- 8-station disk type automatic turret, electrically driven, with Romi standard disk or VDI-40 disk
- 8-station disk type automatic turret, electrically driven, with VDI-40 disk for driven tools
 - 72 positions indexing for geared headstock (A)
 - Auto transformer 200 to 250 Vca or 390 to 480 Vca, 50 / 60 Hz (USA market)
 - Additional set of jaws
 - Air conditioning for electrical cabinet
 - Brake for direct drive headstock (only for positioning stop) (A)
 - Chip conveyor hinged belt (TCE) longitudinal
 - Chip conveyor interface
 - Compact flash Sandisk 1 GB
 - Coolant pump 2 bar or 7 bar
- Generic interface with miscellaneous functions (4 M codes)
- Hydraulic operated tailstock quill with MT-4 live center in place of standard (hydraulics and foot switch included) (A)
- Hydraulic power unit
- Individual adapter plate Parat RD - 3 (European market)
- Live center MT - 5
- Oil skimmer
- Quick change toolholder base (3 faces)
- Rear tool holder
- Remote diagnosis interface
- Romi Manual Machining Package - RMMP, configured by control apron with two electronic handwheels for both X and Z axes, joystick switches and an user friendly siemens software "Manual Machine Plus"
- Separated toolholders and sleeves
- Steady rest closed Ø 20 to Ø 255 mm (Ø 0.79" to Ø 10") capacity (bronze tips or rollers not included)
 - Additional set of bronze tips or rollers
- Steady rest (U Type) with rollers, Ø 30 to Ø 345 mm (Ø 1.18" to Ø 13.6") capacity (no rollers included)
 - Set of rollers Ø 30 to Ø 200 mm (Ø 1.18" to Ø 7.87") capacity
 - Set of rollers Ø 155 a Ø 345 mm (Ø 6.10" to Ø 13.6") capacity
- Wash gun with additional pump
- WTO tool holder, for VDI - 50 tool holders, for static tools and driven tools

(A) Requires the accessory "hydraulic power unit"

Technical specifications

Capacity			
Height of centers	mm (in)	310 (12.20)	
Distance between centers	m (in)	1.0 (39.37) / 2.0 (78.74)	
Swing over bed	mm (in)	620 (24.41)	
Swing over cross slide	mm (in)	346 (13.62)	
Swing over saddle wings	mm (in)	540 (21.26)	
Travel (X axis)	mm (in)	360 (14.17)	
Travel (Z axis)	m (in)	1.0 (39.37) / 2.0 (78.74)	
Bed			
Width	mm (in)	380 (14.96)	
Height	mm (in)	400 (15.75)	
Headstock			
Spindle nose	ASA	A2-8"	A2-8"
Spindle hole diameter	mm (in)	80 (3.15)	104 (4)
Transmission system	-	Geared	Direct Drive
Speed range	rpm	1 to 667 2 to 2,500	1 to 1,800
Feeds			
Rapid traverse (Z axis)	m / min (ipm)	8 (315)	
Rapid traverse (X axis)	m / min (ipm)	8 (315)	
Tailstock			
Maximum quill stroke	mm (in)	180 (7)	
Quill diameter	mm (in)	100 (3.9)	
Quill taper hole	MT	5	
Installed power			
AC Main motor (30 min)	hp / kW	25 / 18.5	
Total installed power	kVA	25	
Dimensions and weights (approximate)			
Floor space required	(version 1,000 mm)	m (in)	3.85 x 2.075 (151.6 x 81.7)
	(version 2,000 mm)	m (in)	4.85 x 2.075 (191 x 81.7)
High		m (in)	2.03 (79.92)
Net weight	(version 1,000 mm)	kg (lbs)	5,000 (11.023)
	(version 2,000 mm)	kg (lbs)	5,550 (12.235)

Technical specifications

Quick change toolholder (optional)			
Number of holders	un	3	
Toolholder size - Square	mm (in)	32 x 32 (1 1/4 x 1 1/4)	
Toolholder size - Bar (diameter)	mm (in)	Ø 32 (Ø 1 1/4)	
Rear toolholder (optional)			
Toolholder size - Square	mm (in)	25 x 25 (1 x 1)	
Toolholder size - Bar (diameter)	mm (in)	Ø 40 (Ø 1 1/2)	
8-position disk type automatic turret (optional)			
Number of stations / tools	un	8 / 8	
Tool holder fixing type	-	Romi Std Type or VDI-40 Std	
Toolholder size - Square	mm (in)	25 x 25 (1 x 1)	
Toolholder size - Bar (diameter)	mm (in)	Ø 40 (Ø 1 1/2)	
8-position disk type automatic turret for driven tools (optional)			
Number of stations / tools	un	8 / 8	
Tool holder fixing type	-	VDI-40	
Toolholder size - Square	mm (in)	25 x 25 (1 x 1)	
Toolholder size - Bar (diameter)	mm (in)	Ø 40 (Ø 1 1/2)	
Driven tool holder - axial / radial	DIN 6499	ER-32 (Ø 3 - Ø 20 mm)	
Driven tool speed range	rpm	4 to 4,000	
WTO Toolholder (VDI-50 Toolholder / DIN 69880-50) (optional)			
Number of stations / tools	un	1	
Toolholder size - Square	mm (in)	32 x 32 (1 1/4)	
Toolholder size - Bar (diameter)	mm (in)	Ø 40 (Ø 1 1/2)	
Driven tool holder - axial / radial	DIN 6499	ER-40 (Ø 4 - Ø 26 mm)	
Driven tools speed range	rpm	1 to 1,500	

For additional and updated information visit our site: www.romi.com
CE safety regulation compliance available only for the European Community or under request



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