



ROMI[®]

HEAVY CNC LATHE



Illustrative image
Equipped with optionals

Romi C 1300H

Romi C 1600H

Main Features

- Geared headstock with two-range rotations and continuous variable speeds
- Monoblock bed with front outlet for chips and coolant leakage
- Cross slide driven by AC servomotor and ballscrew
- Longitudinal saddle (Z axis) driven by AC servomotor, with transmission via:
 - Pre loaded recirculating ball screw, for versions with length of 3.5 and 5.0 m
 - Pre loaded rack and pinion system (made by Redex and Güdel), with positioning by optical scale for versions with length of 6.5, 8.0 and 9.5 m between centers
- Tailstock with built-in live center
- Centralized lubricating system with line filter and oil level sensor
- 82 hp / 60 kW spindle motor
- Siemens 802D sl-Pro Computerized Numerical Control (CNC), built-in in articulated operation panel and sliding along Z and X axes

Technical Specifications		Romi C 1300H	Romi C 1600H
Capacity			
Centers height	mm (in)	670 (26.37)	820 (32.28)
Distance between centers *	m (in)	3.5 / 5 / 6.5 / 8 / 9.5 (137.79 / 196.85 / 255.90 / 314.96 / 374.02)	
Swing over bed	mm (in)	1,300 (51.18)	1,600 (62.99)
Swing over cross slide	mm (in)	900 (35.43)	1,200 (47.24)
X axis travel	mm (in)	820 (32.28)	
Max. admissible weight between centers at 50 rpm (ASA A2-15") *	kg (lbf)	15,000 (33,000)	
Max. admissible weight between centers at 50 rpm (ASA A2-20") *	kg (lbf)	22,000 (48,500)	
Bed			
Width	mm (in)	800 (31.49)	
Height	mm (in)	720 (28.34)	
Headstock			
Spindle nose	ASA	A2-15"	A2-20"
Spindle hole diameter	mm (in)	175 (6.88)	305 (12.00)
Speed ranges *	rpm	1 - 1,000	1 - 500
Range 1	rpm	1 - 251	1 - 127
Range 2	rpm	1 - 1,000	1 - 500
Maximum admissible torque	N-m (lbf-ft)	8,960 (6,613)	17,720 (13,074)
Front bearing inner diameter	mm (in)	249.25 (9.81)	431.80 (17)
Feeds			
Rapid traverse (Z axis)	m / min (ipm)	10 (394)	
Rapid traverse (X axis)	m / min (ipm)	8 (315)	
Tailstock			
Quill diameter	mm (in)	290 (11.41)	
Quill travel	mm (in)	300 (11.81)	
Quill taper	mm (in)	Ø 80 (3.15) x 60°	
Installed power			
AC Main motor 30 min (continuous rating) *	hp / kW	114 / 84 (82 / 60)	
Coolant tank capacity (for 3.5 m - 137.79" version)**			
	l (gal)	870 (230)	
Approximate dimensions and weights (for 3.5 m - 137.79" version) ***			
Length x width	m (in)	8,78 x 3,5 (345.67 x 177.16)	
Approximate net weight	kg (lbf)	28,420 (62,655)	29,220 (64,419)

* Other features as distance between centers, maximum weight capacity, main power and rpm are due upon request

** Capacity increasing per each 1,500 mm (59.05") = 210 liters (55.47 gal)

*** Weight increasing per each 1,500 mm (59.05") = 2,500 kg (5,511.55 lbs)

Standard Equipment

- Geared headstock with two-range rotations and continuous variable speeds
- Tailstock with displacement through carriage and manual fixation, manual driven quill, built-in quill with compensation by plate spring
- Siemens 802D sl-Pro Control with 10.4" color monitor
- Splash guard with sliding front door and safety sight glass
- Electrical installation for 440 Vac, 50 / 60 Hz
- Chip conveyor interface
- Set of wrenches for machine operation
- Set of instruction manuals
- Set of leveling screws and nuts
- Fluorescent worklight
- Articulated and sliding operation panel, and switch for main spindle operation
- Centralized lubricating system with line filter and oil level sensor
- Complete coolant system with 10 l/min @ 2 bar, 0.18 kW motor pump
- Air conditioning for electric panel
- Manual auxiliary operation panel with handwheel and JOG functions for the axes

Optional Equipment

- 4-jaw independent chuck available with Ø 600 mm (Ø 23.62"), Ø 800 mm (Ø 31.50"), Ø 1,000 mm (Ø 39.37"), Ø 1,200 mm (Ø 47.24") and Ø 1,500 mm (Ø 59.05")
- 4-position vertical axis electric square turret (head type)
- Autotransformer
- Four-way tool post
- Hinged belt chip conveyor (TCE)
- Romi Manual Machining Package - RMMP (control apron with electronic handwheels for Z and X axis, command levers and software "Manual Machine Plus")
- Remote Diagnosis
- Several universal chucks (upon request)
- Steady rest

Note: Other optional equipment upon request

For additional and updated information visit our site: www.romi.com.br

CE safety regulation compliance available only for the European Community or under request



ROMI®

A TRADITION OF INNOVATION

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