

RINGTECH RTL-4000 27MM & 42MM

SPECIFICATIONS

Capacity	27mm	42mm
X Axis Travel	260mm (10.23")	260mm (10.23")
Y Axis Travel	145mm(5.7")	145mm(5.7")
Z Axis Travel	145mm (5.7")	145mm (5.7")
C Axis Travel	360°	360°
Axis Speed	20M/min (787"/min)	
Axis Power Rating	5.1N/m (45"/lb)	
Workholding		
Bar / Tube Capacity	27mm (1.062")	42mm (1.562")
Collet Types	Hardinge 5C Benzinger Inside & Outside	Hardinge 16C Benzinger Inside & Outside
Clamping System	Hydraulic	
Spindle Motor Power	5.4Kw (7.4hp)	
Spindle RPM	60-6,000rpm in 1.5 sec	50-5000rpm in 2.0 sec
Precision		
Positional Repeatability	0.0127mm (0.00005")	0.0127mm (0.00005")
Positional Accuracy	0.0127mm (0.00005")	0.0127mm (0.00005")
Spindle Runout (TIR)	0.0127mm (0.00005")	0.0127mm (0.00005")
Interpolation	Plane Selectable X-Y-Z-C	
Control Information		
CNC Control	FAGOR 8055iT Power	
Communication method	Ethernet, USB, RS232	
Drive System	Sercos (Fiber optic link)	
Turning Tooling		
Gang Tool Center Height	42mm (1.653")	
Turret Positions	20	20
Turning Holder Size	3/8"	3/8"
Mill Grain Tool Holders	YES	YES
Posilux Diamond Tool Holders	YES	YES
Boring / drilling Holder Size	3/4"	3/4"
Heavy Duty Drilling Positions	2	2
Barstop Positions	1	1
Live Tooling		
Number of Live Tools	18	18
Tool Size	HSK-25E	HSK-25E
Tool Max Diameter Capacity	10mm (ER16 Collet)	10mm (ER16 Collet)
Faceting Tool Max Diameter	50mm	50mm
Maximum RPM of Spindle	40,000rpm	40,000rpm
Spindle power	2.7Kw (3.6hp)	2.7Kw (3.6hp)
Tool to Tool Change Time	5 Seconds	5 Seconds
Miscellaneous		
Coolant Capacity	94 Liters (25 Gallon)	
Compressed Air Required	1.0 cu.m/ min	
Total Power Required	440v 3 phase 8Kva	220V transformers available
Machine Dimensions	1.55M x 1.22M x 1.8M	(61" x 48" x 72")
Wieght	1800kg	(3750lb)