

Series I 3-Axis		Highly Rigid, Compact Footprint for 3x5' Tables & Smaller				
Design Background	<ul style="list-style-type: none"> ▪ Successor to old Powermatic Series I C-frame router with belt-drive spindle ▪ Initial 'Series I-M' built with cast iron bas & gantry (vs steel) for maximum rigidity & vibration dampening, not always cost-justifiable ▪ Current production model uses steel weldments like larger Accu-Routers ▪ Smaller table & footprint ideal for smaller shops 					
Industries Served	Furniture	Boating	Plywood	Aerospace	Automotive	Plastics
	Yes	Yes	Yes	Yes	Yes	Yes
CNC Control	Fanuc 0i-MD (<i>Pre-owned Fanuc 18M for smaller budgets</i>)					
Control Memory	512 kb, flash port & optional Ethernet					
Servo Drives	<ul style="list-style-type: none"> ▪ High-efficiency digital closed-loop, 1M positions per motor revolution ▪ 50% less power consumption: faster cycles, pump energy back into power line when machine decelerates 					
Cornering Software	Bell-shaped ACC/DEC, AICC contour control, 40 block look-ahead					
Display	10.4" color LCD					
Homing Sequence	Absolute encoders -- homing no longer required; saves time					
Spindle	XR-15 liquid chilled (collet or power drawbar), built & serviced by Accu-Router in Tennessee					
Housing & Carriage	32,000# tensile-strength closed-grain Meehanite cast iron (rigid, dampens vibration)					
Tool Change	Automatic or quick change (15 secs)					
Bearings	Duplex ceramic					
Lubrication	Internal micro-spray mist (electronic injection for 20HP model)					
Drilling	Fixed bearing preload can plunge up to 600 in/min, and/or optional HSD programmable electronic drillheads (5 spindles on 32mm centers)					
Material Holddown	Based on application: Flow-Thru vacuum, traditional gasketed vacuum, vacuum flip pods, custom fixtures, etc (Roller Assist on Series II & III only)					
Ballscrew Technology	Traditional precision ballscrews					
Linear Motion / Rails	THK precision linear ways					
Perimeter Guarding	Optional: ANSI-compliant, cyclone fencing & unitized safety mats interlocked to host Fanuc control					
Rapid Rates (X & Y)	Up to 1,500 in/min XY, 800 in/min Z					
Machining Rates	Up to 800 in/min					
Table Sizes (Popular shown)	24" x 48" (2x4')		48" x 48" (4x4')		36" x 60" (3x5')	
Programmable Travel: X	48"		48"		48"	
Y (gantry)	72"		72"		72"	
Z (vertical)	Up to 9"		Up to 9"		Up to 9"	
Positioning Accuracy	Quoted at 0.005" (almost always less)					
Repeatability	Quoted at 0.002" (typically half or less)					
Electrical Requirements	480V / 3-Phase / 60Hz (can be altered with transformer)					
Shipping Weight	17,000 #					
Warranty	Full one-year warranty with lifetime loaner spindles during repair!					

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Renewability (Green CNC)	<ul style="list-style-type: none">▪ Can be retrofitted as new technology becomes available, and/or modernized or exchanged at end of life cycle▪ Competitive fixed-gantry, ballscrew-drive routers also eligible (CALL)
Financing	Competitive 36-60 month financing available based on credit
Training & 24/7 Phone Support	FREE FOR LIFE OF MACHINE