

Kratos	Flagship Model for High Production Machining of Solid Panels (Tables Range from 2x4' to 6x12', Stack & 1-Up)				
Design Background	<ul style="list-style-type: none"> • Current industry-leading 3-axis production model • Custom-built to your requirements: multiple table sizes, part holddown technologies, spindle configurations, auto-loading, etc 				
Industries Served	Furniture	Boating	Plywood	Aerospace	Automotive
	Yes	Yes	Yes	Yes	Yes
	Ideal for all types of panel machining, both stacked & 1-up				
CNC Control	Fanuc Oi-MD (Pre-owned Fanuc 18M for tighter budgets)				
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 				
Display	10.4" color LCD				
Homing Sequence	Absolute encoders -- homing no longer required; saves time				
Routing Spindle(s)	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)				
Programmability	Up to (4) main routing spindles with optional variable head spacing for maximum yield (manual digital or precision servo drive)				
Bearings	Duplex ceramic				
Lubrication	Internal micro-spray mist or grease				
Drilling	Fixed bearing preload can plunge up to 600 in/min, and/or optional HSD programmable electronic drill heads (5 spindles on 32mm centers)				
Material Holddown	Based on application: Roller Assist, Flow-Thru vacuum, traditional gasketed vacuum, or combination thereof				
Ballscrew Technology	High-speed precision ball screws, including "spin-the-nut" model on X axis (auto-lubricated)				
Linear Motion / Rails	THK or Bosch precision linear ways				
Auto-Load / Unload	<ul style="list-style-type: none"> • Optional material handling integrated to host Fanuc control • Machine-paced production increases operator safety & can double machine output 				

Perimeter Guarding	Optional: ANSI-compliant, cyclone fencing & unitized safety mats interlocked to host Fanuc control		
Rapid Rates (X & Y)	3,000 in/min XY, 1000 in/min Z		
Machining Rates	Up to 1,500 in/min (up to 1.75" stack)		
Table Sizes (Popular shown)	48" x 96" (4x8')	60" x 120" (5x10')	60" x 144" (5x12')
Programmable Travel: X	96"	120"	144"
Y (gantry)	72"	72"	72"
Z (vertical)	9"	9"	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)		
Warranty	Full one-year warranty with lifetime loaner spindles during repair!		
Financing	Competitive 36-60 month financing available based on credit		
Training & 24/7 Phone Support	FREE FOR LIFE OF MACHINE		