

THE STRATOS 5-AXIS SERIES

POD & RAIL OR FLAT TABLE | TRAVELING GANTRY 5 AXIS



Basic configuration	Stratos 5-Axis Flat Table	Stratos 5-Axis Pod & Rail
Table configuration	Flat Table	Pod & Rail
Table Style	Grid	Grid
Zones	2 zone	2 zone
Table Size in mm (inch)	width: 1,300 mm length: 3,700 ~ 7,200 mm (every 500 mm) (width: 51" length: 146" ~ 283" - every 20")	width: 1,300 mm length: 3,700 ~ 7,200 mm (every 500 mm) (width: 51" length: 146" ~ 283" - every 20")
Table Height	660 mm (26")	660 mm (26")
Standard Z (stroke) #1	600 mm (23.6")	600 mm (23.6")
Standard Z (stroke) #2	800 mm (31.5")	800 mm (31.5")
B and C-axis	B : ± 100° C : ± 200°	B : ± 100° C : ± 200°
Control	FANUC 31i or SIEMENS 840D	FANUC 31i or SIEMENS 840D
Router Spindle	9/13.5/18 kW (12/18/24 HP) (HSK 63F, 22,000 rpm)	9/13.5/18 kW (12/18/24 HP) (HSK 63F, 22,000 rpm)
Automatic Tool Changer	10, 12, 16	10, 12, 16
Vac. Prep Kit	included	included
Pump Size	7.5/18.5/30/37 kW (10/25/40/50 HP) options	7.5/18.5/30/37 kW (10/25/40/50 HP) options
Safety fence	optional	optional
X-Drive System	Rack	Rack
Y-Drive System	Ball Screw	Ball Screw
Z-Drive System	Ball Screw	Ball Screw
Rapids/cutting X,Y,Z	X;Y;Z=60/45/24 m/min	X;Y;Z=60/45/24 m/min
Rapids/cutting C, B	B&C=60°/sec 24 m/min	B&C=60°/sec 24 m/min

The Stratos Series Traveling Gantry 5-axis machining centers set a new level of 5-axis accuracy and machining performance. The combination of a highly rigid base, precision gearbox and high accuracy Servo System make the Stratos an ideal choice for machining Long Travel 5-Axis plastics, aluminum and composite materials. The Stratos comes in two machine format configurations.

Flat Table Design

This design utilizes a vacuum grid bed to hold work pieces in place. Vacuum plugs are quickly removed in the grid table to accommodate a variety of work piece

requirements. The solid webbed steel modular base comes in a standard 1,500 x 3,650 mm (5' x 12') format, but can be expand to lengths of 7,300 mm (24') or beyond on request.

Pod and Rail Design

This design utilizes a sliding vacuum and clamping system that are used to accommodate a variety of specialized clamps and work piece fixtures. The solid webbed steel modular base comes in a standard 1,500 x 3,650 mm (5' x 12') format, but can be expand to lengths of 7,300mm (24') or beyond on request.

Design Features

The Stratos 5-axis machining center is designed to handle heavy duty 5-axis machining in wood, aluminum and composites materials.

- Advanced 5-axis CNC features are available on both models
- CNC Controls include Ethernet options to provide remote technical support
- Work piece holding flexibility is provided by optional clamping, grid, or manifold vacuum systems



Large Heavy Duty open machining envelope – Open machining envelope for both large and small parts.



Work Holding – Both Flat Table grid vacuum systems and Pod and Rail Clamping systems available for flexible work holding requirements.