

Mycenter-2XD
Spark changer[®]
Vertical Machining Center



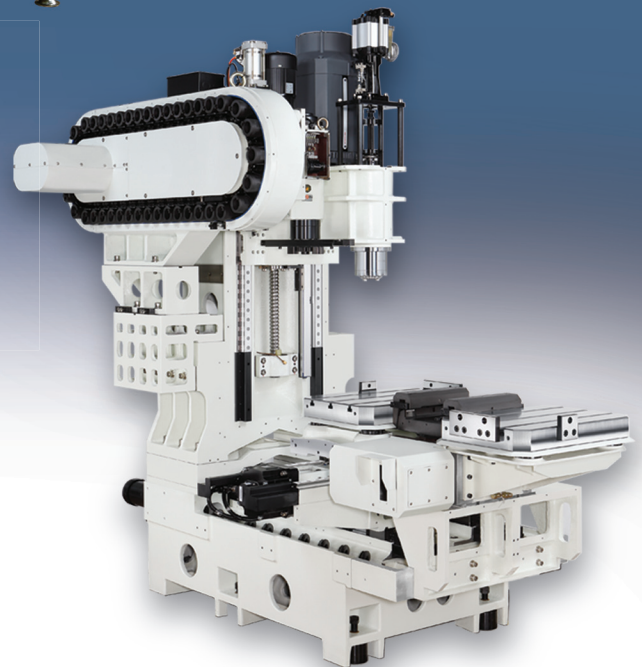
High Volume Production at your Fingertips. . .

The Mycenter-“Sparkchanger” Series Vertical Machining Centers are equipped with a factory installed, automatic 2-station 180° rotating pallet change system that delivers the fastest pallet change times in the industry. Action is fast and smooth for optimum performance and time savings. Operators can safely load and unload pallets while the machine is in cycle. The super compact space-saving design takes up less of your valuable floor space and is ready for applications that require fast change-over at a moment’s notice. Highly adaptive with robust cutting capabilities, the Mycenter-2XD “Sparkchanger” is a breakthrough solution for all of your small to medium high-volume production part processes.

Standout Features Include:

- Stiff Cast C-Frame Construction with Heavy Duty Cross Roller Linear Guide Way Design for Dynamic, Accurate Movement
- Standard 180° 2-Station Factory Installed Pallet Changer (“Sparkchanger”)
- Potent and Powerful 35HP, 12,000rpm Dual Contact Spindle
- Convenient and Flexible Conveyor Configuration Allows you to Install the Standard Chip Conveyor on Either the Left or Right-Hand Side of the Machine
- Feature-Rich and Powerful ***Arumatik-Jr*** Controller

***Standard Factory Installed
2-Station 180° Rotating
Automatic Pallet Changer***



Solid, Stiff Cast Construction

Arumatik®-Jr CNC Controller

The Mycenter-2XD Sparkchanger is equipped with the latest, state-of-the-art Kitamura **Arumatik®-Jr** CNC Controller. Feature packed with high speed machining functions second to none, the **Arumatik®-Jr** offers up to 16x faster processing speeds when compared to today's conventional controls. Superior standard features include 675 block look-ahead, 1280 meters memory, USB Memory Interface and Ethernet I/F for faster and smoother program transfer. Additional value added features offer increased reliability in more complex part processing to simplify your more demanding machining challenges.

Mycenter-2XD Sparkchanger®

SPECIFICATIONS

Table

Table Size	400 x 560mm (15.7" x 22.0")
T-Slot (Width x Qty.)	18mm (0.7") x 3
Max. Table Load	200kg (440 lbs.)

Travels

X-Axis Travel	600mm (23.6")
Y-Axis Travel	510mm (20.1")
Z-Axis Travel	510mm (20.1")
Distance from Table Top to Spindle Nose	100 to 610mm (3.9' to 24.0")

Spindle

Spindle Taper	#40 NST
Spindle Speed	20 ~ 12,000min ⁻¹
Spindle Motor	26kW (35HP AC/Peak)
	22kW (30HP AC/10 min)
	15kW (20HP AC/30 min)
	11kW (15HP AC/Cont.)

Feed

Rapid Feed X,Y x Z	48 x 42m/min (1,890 x 1,654ipm)
Cutting Feed Rate X,Y,Z	20m/min (787ipm)

ATC

Tool Storage Capacity	40 Tools
Tool Selection Method	Random Tool
Max. Tool Size	Ø75mm (Ø3.0") (Ø127mm (Ø5.0")/Adjacent Pots Empty)
Max. Tool Length	250mm (9.8")
Max. Tool Weight	7kg (15.4 lbs.)
Tool Change Time (T-T/C-C)	1.9 sec / 8.0 sec min.

APC

Number of Pallets	2
Pallet Change Time	10 sec

Machine Dimensions

Required Space (W x D)	2,480 x 3,000mm (97.6" x 118.1")
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Control Standard Features

- 675 Block Look-Ahead High-Speed, High-Accuracy Control
- Workpiece Coordinate System – 54 Sets
- Coordinate System Rotation
- Custom Macro Variables, 700 Pieces
- Inverse Time Feed
- Tool Offset Pairs 400 Pairs, 6 Digits
- 3-Dimensional Tool Radius Compensation
- High Speed Skip
- Thread Cutting
- Rigid Tapping
- Small Diameter Deep-Hole Drilling
- Deep-Hole Tapping Cycle
- Scaling
- Helical Interpolation
- Polar Coordinate Command
- Corner Chamfering / Corner Rounding



Machining Challenges-Simplified®

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