

# Put Punch in Your PRODUCTION

**KITAMURA®**  
Machining Challenges-Simplified®

**Mycenter®-4XiD**

Vertical Machining Center

## Check out these value-driven performance features:

- Powerful, High-Precision 35hp Spindle
- Class-Leading High-Capacity 40 Tool ATC
- Large 1,020 x 510 x 510mm (40" x 20" x 20") X,Y, Z Travels for Maximum Machining Flexibility
- High-Grade Solid Cast Construction
- 3-Block, Double Roller LM Guide System
- Compact Space-Saving Design - only a 3,058 x 2,293mm (120.4" x 90.3") Footprint. Truly the size of a 30" machine!
- Extraordinary Chip Removal

Install a Mycenter-4XiD and that small amount of floorspace will become the most productive in your shop! This VMC is simply amazing. Power, speed, capacity and a host of performance features including Kitamura's exclusive Arumatik® Jr. CNC . . . the Mycenter-4XiD's got it all!

Synchronized two piece door actuated by scissor mechanism.  
Standard Door Interlock for safety

40T ATC Standard! Rear loading station for easy maintenance



Arumatik®-Jr. Advanced CNC Controller offers a swivel panel for operator convenience

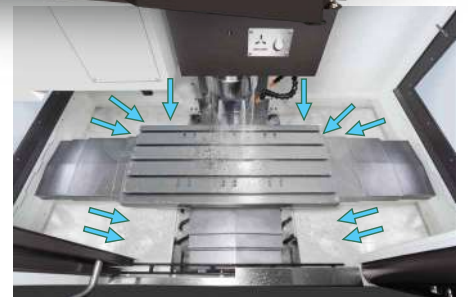
Standard Lift Up Conveyor can be positioned on either left or right-hand side of the machine



3-Block, Double Roller LM Guide System  
Ultra-super-high rigidity.  
Long term smooth motion operation.



From roughing to fine finishing, the Mycenter-4XiD easily cuts a wide variety of materials. It brings a whole new dimension to VMC versatility.



Large Work Envelope with Smooth Chip Flow

- Base Wash & Coolant Shower
- Dual Internal Chip Augers
- X & Z Axes are Completely Covered

# Arumatik®-Jr CNC Controller

The Mycenter-4XiD 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-4XiD

### SPECIFICATIONS

#### Table

Table Size	500 x 1,120mm (19.7" x 44.1")
T-Slot (Width x Qty.)	18mm (0.71") x 5
Max. Table Load	1,000kg (2,200 lbs.)

#### Travels

X-Axis Travel	1,020mm (40.2")
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	12,000min <sup>-1</sup> NRG Belt Drive
Spindle Motor	26kW (35HP) AC/Peak
	22kW (30HP) AC/10 min
	18.5kW (25HP) AC/30 min
	15kW (20HP) AC/Cont.

#### Feed

Rapid Feed X,Y	48m/min (1,889ipm)
Rapid Feed Z	42m/min (1,654ipm)
Cutting Feed Rate X, Y, Z	20m/min (787ipm)

#### ATC

Tool Storage Capacity	40 Tools - CT 40
Tool Selection Method	Memory Random
Max. Tool Size (Dia. x L) (With Adjacent Tool Pots Empty)	Ø75mm x 250mm (Ø3.0" x 9.7") Ø150mm x 250mm (Ø5.9" x 9.7")
Max. Tool Weight	7kg (15.4 lbs.)
Tool Change Time (T-T / C-C)	2.5 seconds / 8.0 sec min.

#### Machine Dimensions

Required Space (W x D)	3,058 x 2,293mm (120.4" x 90.3") - <i>Super Compact!</i>
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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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