

# Put Punch in Your PRODUCTION

**KITAMURA®**  
Machining Challenges-Simplified®

## **Mycenter®-4XV** Vertical Machining Center

### Check out these value-driven performance features:

- Powerful, High-Precision 41HP 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 3,039 x 2,293mm (119.6" x 90.3") Footprint. Truly the size of a 30" machine!
- Extraordinary Chip Removal

Install a Mycenter-4XV 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-4XV's got it all!

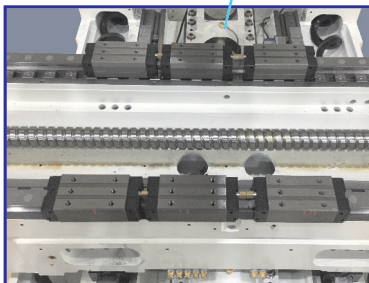
*Synchronized two piece door actuated by scissor mechanism.  
Standard Door Interlock for safety*

**40T ATC Standard!** Rear loading station for easy maintenance



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

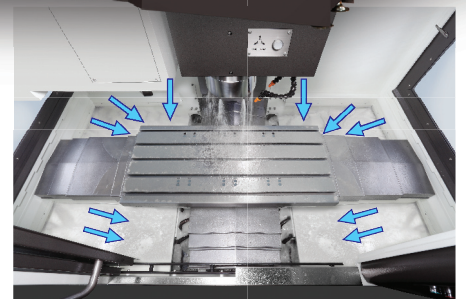
**Standard Lift Up Conveyor** can be positioned on either left or right-hand side of the machine



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



From roughing to fine finishing, the Mycenter-4XV 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-4XV 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®-4XV 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 | 15,000min <sup>-1</sup> Built-In             |
| Spindle Motor | 31kW (41HP) AC/2 min<br>25kW (33HP) AC/Cont. |

### Feed

|                           |                    |
|---------------------------|--------------------|
| Rapid Feed X,Y            | 52m/min (2,047ipm) |
| Rapid Feed Z              | 48m/min (1,890ipm) |
| 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)<br>With Adjacent Tool Pots Empty | Ø75mm x 300mm (Ø3.0" x 11.8")<br>Ø150mm x 300mm (Ø5.9" x 11.8") |
| Max. Tool Weight   | 7kg (15.4 lbs.)   |
| Tool Change Time (T-T / C-C)                               | 2.2 seconds / 4.2 sec min.                                      |

### Machine Dimensions

|                        |  |
|------------------------|--|
| Required Space (W x D) | 3,039 x 2,293mm (119.6" x 90.3") - <i>Super Compact!</i> |
|------------------------|--|

## 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

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