

SIMPLIFY

Large Parts Machining

KITAMURA®
Machining Challenges-Simplified®

MYCENTER®

5XV Vertical Machining Center

When you need larger capacity but are tight on floor space you can count on the Mycenter-5XV large capacity VMC. Compact with expanded table and tool capacity to handle your larger component machining requirements, this powerful VMC has it all - speed, accuracy, capacity and comes equipped with Kitamura's fully loaded, high-speed processing Arumatik®-Mi Pro CNC.

Check out these value-driven performance features:

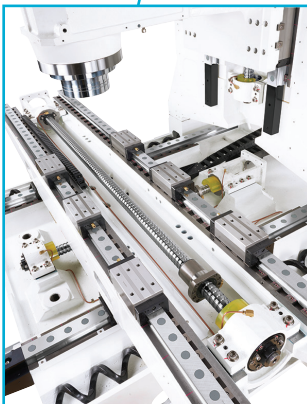
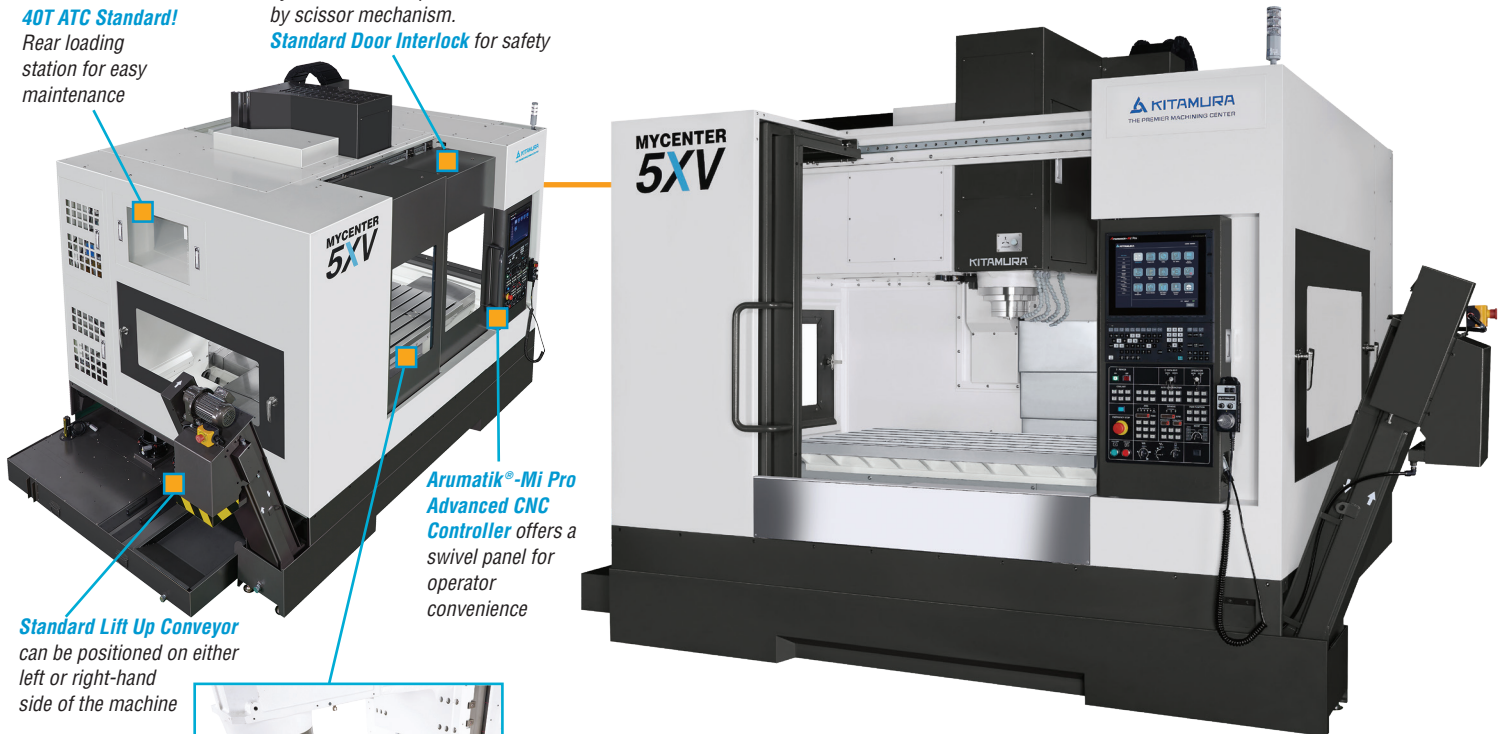
- Generous 700 x 1,420mm (27.6" x 55.9") Table Size
- Powerful, High Speed, 41HP 15,000min⁻¹ Dual Contact Spindle
- Class-Leading High Capacity 40 Tool ATC, #40
- IAC System 1 Thermal Compensation System
- Super Compact Design - Only a 3,605 x 2,476mm (141.9" x 97.5") Footprint
- Spacious and Ergonomic Work Envelope

40T ATC Standard!
Rear loading station for easy maintenance

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

Arumatik®-Mi Pro Advanced CNC Controller offers a swivel panel for operator convenience

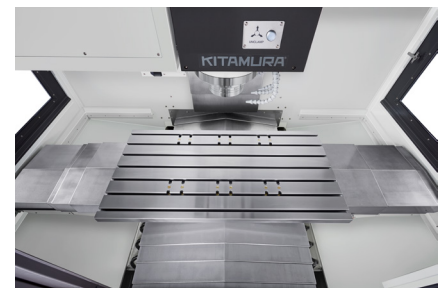
Standard Lift Up Conveyor can be positioned on either left or right-hand side of the machine



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



From roughing to fine finishing, the Mycenter-5XV easily cuts a wide variety of materials. It brings a whole new dimension to VMC versatility.



Large Ergonomic Work Envelope with Smooth Chip Flow

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

Arumatik-Mi Pro CNC Controller

The Mycenter-5XV is equipped with the latest, state-of-the-art Kitamura Arumatik®-Mi Pro CNC Controller. Feature packed with high speed machining functions second to none, the Arumatik®-Mi Pro offers up to 16x faster processing speeds when compared to today's conventional controls.

MYCENTER 5XV SPECIFICATIONS

Table	
Table Size	700 x 1,420mm (27.6" x 55.9")
T-Slot (Width x Qty.)	18mm (0.7") x 7
Max. Table Load	1,500kg (3,300 lbs.)
Travels	
X-Axis Travel	1,270mm (50.0")
Y-Axis Travel	710mm (28.0")
Z-Axis Travel	635mm (25.0")
Distance from Table Top to Spindle Nose	100 to 735mm (3.9" to 28.9")
Spindle	
Spindle Taper	#40 NST
Spindle Speed	15,000min ⁻¹ Built-in
Spindle Motor	31kW (41HP) AC/2 min 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
Tool Selection Method	Memory Random
Max. Tool Size (Dia. x L) With Adjacent Pots Empty	Ø75mm x 240mm (Ø3.0" x 9.4") Ø150mm x 240mm (Ø5.9" x 9.4")
Max. Tool Weight	7kg (15.4 lbs.)
Tool Change Time (T-T/C-C)	1.9 sec / 3.2 sec minimum
Machine Dimensions	
Required Space (W x D x H)	3,605 x 2,476 x 2,948mm (141.9" x 97.5" x 116.1")

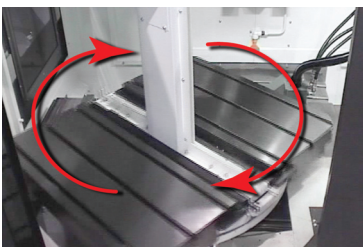
Specifications subject to change without notice.



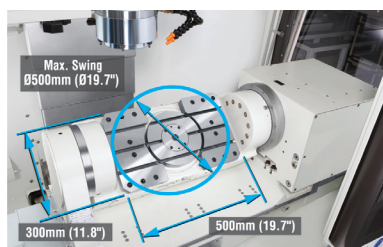
Control Standard Features

- Large 15" Touch Screen Color LCD
- 8190 Block Look-Ahead
- 4,500 Block Per Second Processing Speed
- High-Speed, High-Accuracy Control III
- Super Smooth Surface (SSS) Control
- Work Coordinate Offsets - 54 Sets
- 5120 Meters Memory (2MB)
- USB Memory Interface and Ethernet I/F for Faster and Smoother Program Transfer
- Macro Variable, 8000 Sets
- Tool Offset, 999Pcs, 6 Digits
- 3-Dimensional Tool Radius Compensation
- Helical Interpolation
- Circular Interpolation
- Optional Block Skip
- Inverse Time Feed
- Alarm Guidance

Check Out Our Entire V-Series Machine Line Up!



Mycenter®-2XVSP 2APC



Mycenter®-3XVT 4+1 Machining



Mycenter®-3XV Ultra Compact VMC



Mycenter®-4XV 40" x 20" VMC



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