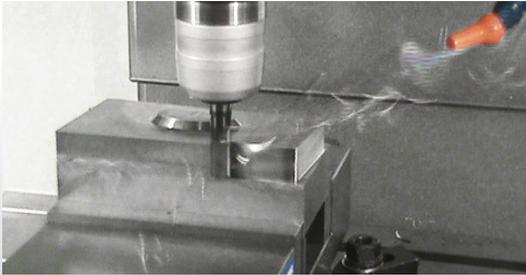


# MYCENTER<sup>®</sup> 3XV Vertical Machining Center

**KITAMURA<sup>®</sup>**  
Machining Challenges-Simplified<sup>®</sup>

## SUPER COMPACT 8' x 7' Footprint

Powerful 41HP ■ 40 Taper  
30" x 20" VMC



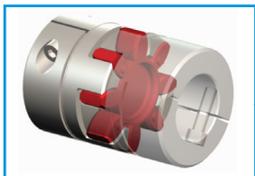
Standard high-speed 15,000min<sup>-1</sup> spindle delivers unparalleled cutting performance on a wide range of materials.



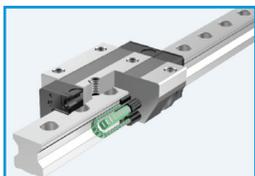
- Powerful, High Speed, 41HP 15,000min<sup>-1</sup> Dual Contact Spindle
- Standard 30 Tool ATC, #40
- IAC System 1 Thermal Compensation System
- High Speed Rapid Feed Rates - 52m/min (2,047ipm) X & Y Axes
- Feature-Rich and Powerful *Arumatik-Mi* Pro Controller

Kitamura Quality at an Extremely Affordable Price Point!

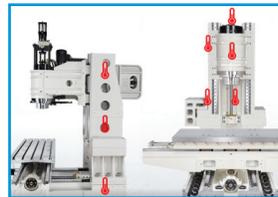
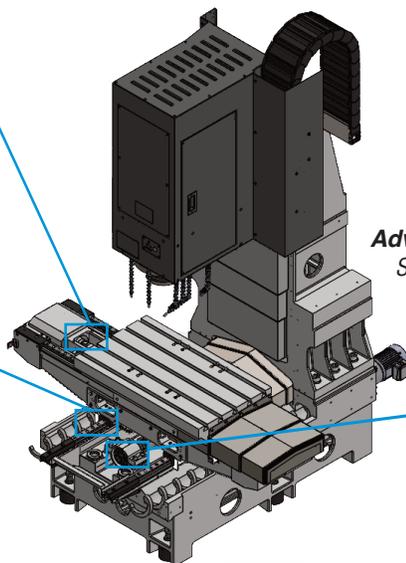
**PRECISE ■ RELIABLE ■ DURABLE**



KTR Rotex Coupling



THK Cross Roller Linear Guide Ways



**Advanced Thermal Sensor System**  
Strategically placed sensors minimize thermal distortion for continued peak precision



Super "S" Nut



**Quality Components Throughout** - THK heavy duty cross linear guides, fine pitch ballscrews, high grade servo motors, feedback encoder and Kitamura's high precision assembly technology allows for the highest accuracy and smoothest possible motion on X, Y & Z axes. ±1µm repeatability is achievable.

**Flexible Configuration** - Conveyor can be installed on Left or Right hand side of machine.

# Arumatik-Mi Pro CNC Controller

The Mycenter-3XV 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® 3XV SPECIFICATIONS

Table	
Table Size	500 x 860mm (19.7" x 33.9")
T-Slot (Width x Qty.)	18mm (0.71") x 5
Max. Table Load	800kg (1,760 lbs.)
Travels	
X-Axis Travel	760mm (29.9")
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 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	20m/min ( 787ipm)
ATC	
Tool Storage Capacity	30 Tools - BT/CT 40
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)	2.2 sec / 4.2 sec minimum
Machine Dimensions	
Required Space (W x D)	2,415 x 2,245mm (95.1" x 88.4") - Super Compact!

Specifications subject to change without notice.



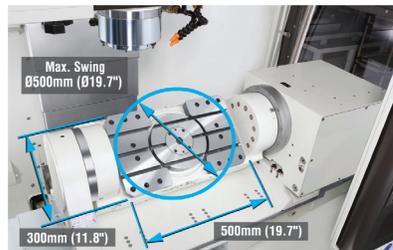
### Control Standard Features

- 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®-4XV

**KITAMURA®** Machining Challenges-Simplified®

Kitamura Machinery Co., Ltd. (Head Office and Works)  
Kitamura Machinery of U.S.A., Inc. (U.S.A. Corporate Headquarters)  
Kitamura Machinery GmbH (European Headquarters)

[www.kitamura-machinery.co.jp](http://www.kitamura-machinery.co.jp)  
[www.kitamura-machinery.com](http://www.kitamura-machinery.com)  
[www.kitamura-machinery.eu](http://www.kitamura-machinery.eu)

TEL: +81 766 63 1100  
TEL: +1 847 520 7755  
TEL: +49 211 657 9010