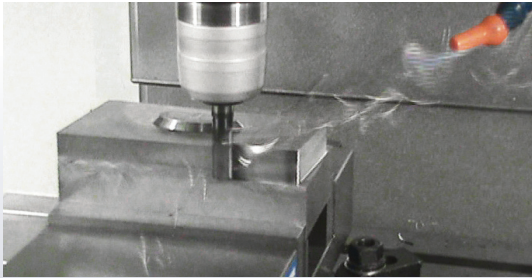


# MYCENTER<sup>®</sup> 3XV Vertical Machining Center

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

## SUPER COMPACT 8' x 7' Footprint

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



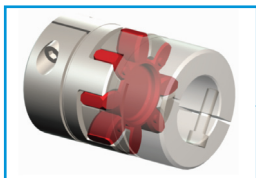
*Standard high-speed 15,000min<sup>-1</sup> spindle delivers unparalleled cutting performance on a wide range of materials.*



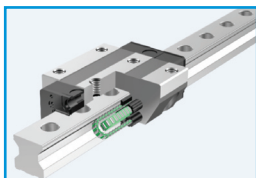
- Powerful, High Speed, 41HP 15,000min<sup>-1</sup> Dual Contact Spindle
- Standard 30 Tool ATC, #40
- Thermally Stable Rigid Meehanite Cast Construction
- High Speed Rapid Feed Rates - 52m/min (2,047ipm) X & Y Axes
- Feature-Rich and Powerful *Arumatik-Mi* Pro Controller

Kitamura Quality at an Extremely Affordable Price Point!

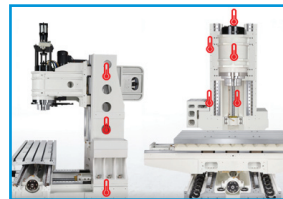
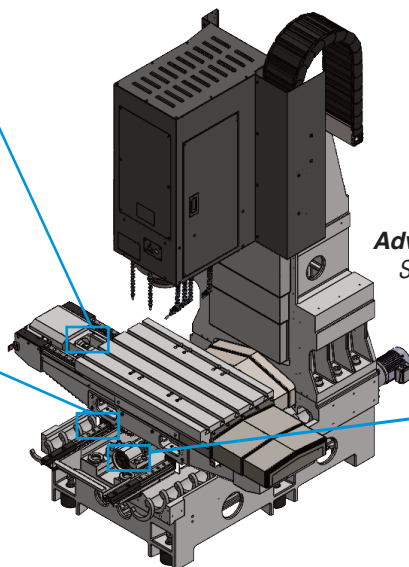
**PRECISE ■ RELIABLE ■ DURABLE**



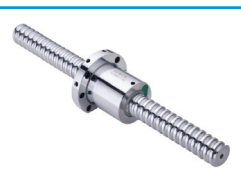
*KTR Rotex Coupling*



*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<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                   | 20m/min ( 787ipm)                                |
| ATC                                     |  |
| Tool Storage Capacity                   | 30 Tools - BT/CT 40                              |
| Tool Selection Method                   | Memory Random                                    |
| Max. Tool Size (Dia. x L)               | Ø75mm x 240mm (Ø3.0" x 9.4")                     |
| With Adjacent Pots Empty                | 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! |

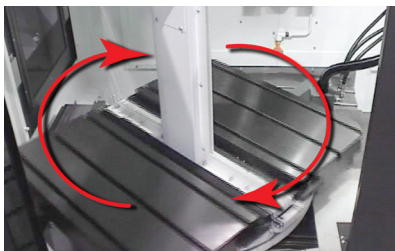
Specifications subject to change without notice.



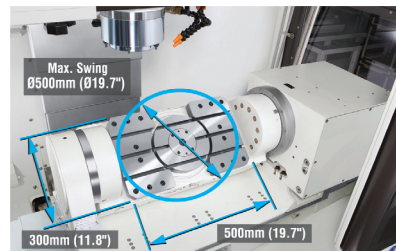
### Control Standard Features

- Large 15" Touch Screen Color LCD
- 1680 Block Look-Ahead
- 2,800 Block Per Second Processing Speed
- High-Speed, High-Accuracy Control
- Super Smooth Surface (SSS) Control
- Work Coordinate Offsets - 54 Sets
- 5120 Meters Memory
- USB Memory Interface and Ethernet I/F for Faster and Smoother Program Transfer
- Macro Variable, 700 Sets
- Tool Offset, 400Pcs, 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)

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