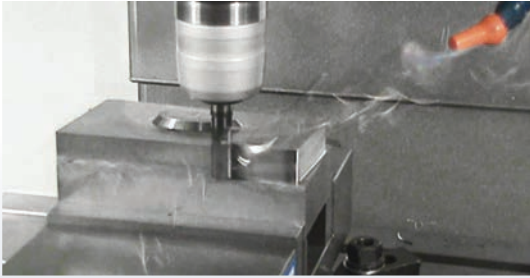


# SUPER COMPACT 8' x 7' Footprint

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



*Standard high-speed 15,000rpm spindle delivers unparalleled cutting performance on a wide range of materials.*

- Stiff, Cast C-Frame Construction
- Heavy Duty Cross Roller Linear Guide Ways
- Highly Rigid, 15,000rpm High-Speed Spindle
- Convenient and Efficient Chip Discharge
- Feature Rich, High Speed Processing *Arumatik-Jr* Control

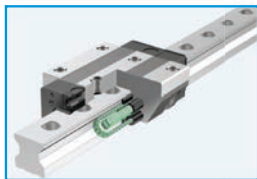


Kitamura Quality at an Extremely Affordable Price Point!

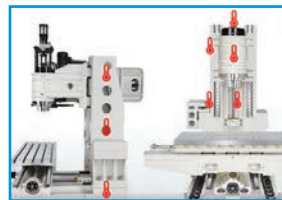
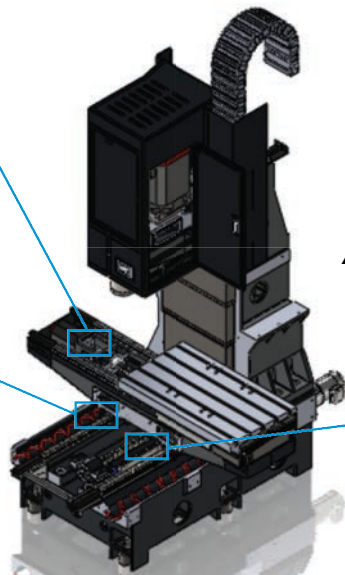
**PRECISE ■ RELIABLE ■ DURABLE**



**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. ±1 μm repeatability is achievable.

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

# Arumatik®-Jr CNC Controller

The **Mycenter-3XV** is equipped with the latest, ultra-high speed, feature-packed Kitamura **Arumatik®-Jr** CNC Control, designed specifically for high quality machining with smoother finishes and faster performance.

Super Smooth Surface (SSS) control ensures high machining stability and quality resulting in optimum accuracy at higher feed rates, shortening machining time up to 30%. A variety of components such as complicated **medical** parts, **automotive** aluminum castings and tougher **aerospace** components can be machined consistently and in the shortest time possible.

## 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)<br>With Adjacent Pots Empty | Ø75mm x 240mm (Ø3.0" x 9.4")<br>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) | 2,389 x 2,245mm (94.1" x 88.4") - <i>Super Compact!</i> |
|------------------------|---|

Specifications subject to change without notice.



## 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

 **KITAMURA®**  
Machining Challenges-Simplified®

Kitamura Machinery Co., Ltd. (Headquarters)  
Kitamura Machinery of U.S.A., Inc. (Chicago)  
Kitamura Machinery GmbH (Düsseldorf)

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