

 **KITAMURA®**  
Machining Challenges—Simplified®

**MYCENTER®**  
**2XV** Vertical Machining Center  
**SPARK CHANGER**



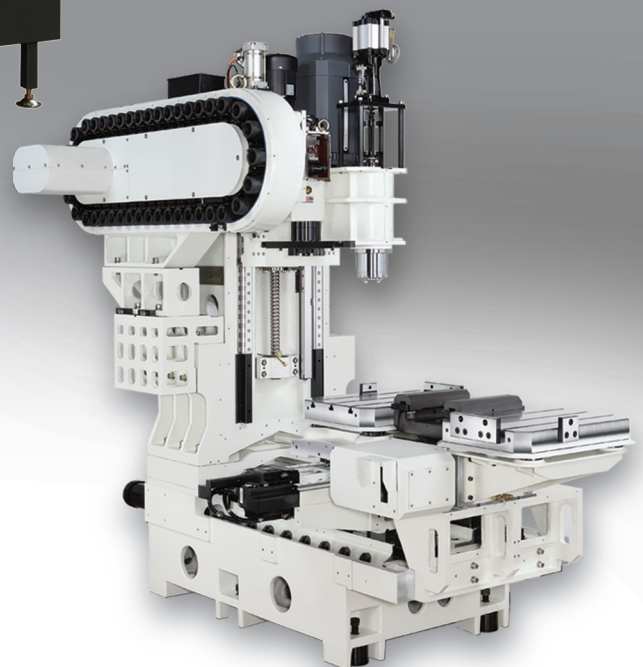
# High Volume Production at your Fingertips. . .

The Mycenter-2XV “Sparkchanger” VMC increases spindle up-time with a high-speed 2-station automatic pallet changer. Designed to allow for load and unload of workpieces when the machine is in cycle, Kitamura “Sparkchangers” offer factory designed & built APC units. Full integration of the pallet changer results in the ultra-compact, space-saving footprint.

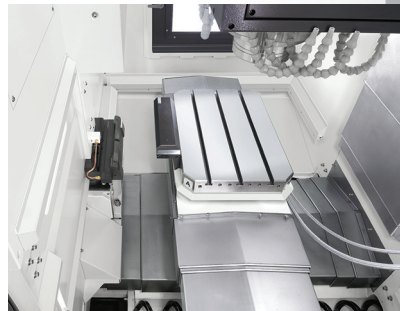
The 40-Tool magazine carries plenty of tools for the completion of complex, multi-fixtured work pieces in one set-up. A powerful, high-speed 41HP, 15,000rpm dual contact spindle runs low to high rpm for a variety of operations and materials.

**Standout Features Include:**

- Powerful High-Speed 41HP 15,000rpm #40 Dual Contact Spindle
- Standard 180° 2-Station Factory Installed Pallet Changer (“Sparkchanger”)
- Standard High-Capacity 40 Tool ATC
- IAC System 1 Thermal Compensation System
- Internal Chip Augers and Standard Hinge Belt Style Chip Conveyor
- Feature-Rich and Powerful *Arumatik-Mi Pro* Controller



Standard Factory Installed 2-station 180-degree rotating automatic pallet changer.



Spacious Work Envelope. Operators can safely load work while high speed machining is in progress for optimum spindle utilization.

**Thermally Stable Rigid  
Meehanite Cast Construction**

# Arumatik-Mi Pro CNC Controller

The Mycenter-2XV Sparkchanger 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 2XV SPECIFICATIONS

SPARK CHANGER

### Table

Table Size	400 x 560mm (15.7" x 22.0")
T-Slot (Width x Qty.)	14mm (0.55") x 3
Max. Table Load	200kg (440 lbs.)

### Travels

X-Axis Travel	600mm (23.6")
Y-Axis Travel	510mm (20.1")
Z-Axis Travel	510mm (20.1")
Distance from Table Top to Spindle Nose	90 to 600mm (3.5" to 23.6")

### 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, Z	20m/min ( 787ipm)

### ATC

Tool Storage Capacity	40 Tools - BT/CT 40
Tool Selection Method	Memory Random
Max. Tool Size (Dia. x L) With Adjacent Pots Empty	Ø 75mm x 240mm (Ø3.0" x 9.4") Ø 150mm 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

### APC

Number of Pallets	2
Pallet Change Time	11.4 sec

### Machine Dimensions

Required Space (W x D)	2,561 x 2,972mm (100.8" x 117.0")
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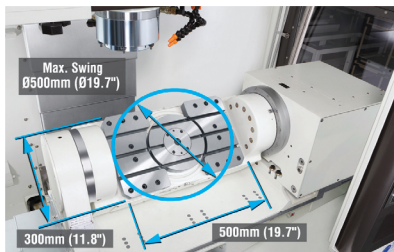


### Control Standard Features

- 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

Specifications subject to change without notice.

**Check Out Our Entire V-Series Machine Line Up!**



Mycenter®-3XVT 4+1 Machining



Mycenter®-3XV Ultra Compact VMC



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