

# MYCENTER® HORIZONTAL MACHINING CENTERS

# MYCENTER® 5-AXIS MACHINING CENTERS



### Pioneering Icon CNC Operation with Interactive Touchscreen Display Technology

- 67 Million pulse encoder technology with 1,680 block look-ahead processing speeds
- Software upgrades throughout the life of the control
- Fanuc user-friendly
- Completely customizable and expandable user experience
- Video Guidance and visual programming screens



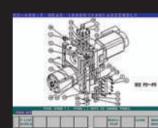
The latest in control technology with a focus on ease of use for the operator



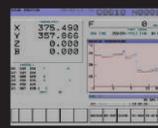
**Customizable Icon Screen.** Advanced touch screen capabilities with user customized main menu touch screen and a variety of visual programming screens and functions that offer the operator faster and easier methods of part set-up and processing.



**Work Set Assistance.** Set-up work offsets with just a few keystrokes. Four types of measurements are possible. Edge side measure, center measure, 3 point diameter center measure and corner measure if angular.



**Maintenance Support Function.** Kitamura's Maintenance Support Function Offers operator convenience in displaying methods of machining maintenance, repair and parts support on the NC Screen.



**Intelligent Advanced Control System.** Controls the effects of heat displacement in order to ensure continuous accuracy in machining. Minimizes head displacement to less than +/-5 microns. 6 sensors positioned on the machine measure and monitor temperature of machine and compensation guarantees positioning accuracy of +/-0.002mm (+/-0.000079") / Full stroke. Kitamura patented system since 1998.

\*Daily Thermal Graphic Display

### Mycenter-HX250iG, HX300iG/400

|                                    | Mycenter-HX250iG  | Mycenter-HX300iG/400  |
|------------------------------------|---|---|
| <b>Table Size:</b>                 | 10.0" x 10.0"<br>(254 x 254mm)                                  | 12.0" x 12.0" (305 x 305mm)<br>Opt. 15.7" x 15.7" (400 x 400mm) |
| <b>Travel (X, Y, Z):</b>           | 12.0" x 12.0" x 13.0"<br>(305 x 305 x 330mm)                    | 18.1" x 20.1" x 22.0"<br>(460 x 510 x 560mm)                    |
| <b>Spindle Taper:</b>              | NST No. 30  | NST No. 40  |
| <b>Spindle Speed:</b>              | 150 ~ 15,000min <sup>-1</sup><br>(30,000min <sup>-1</sup> opt.) | 40 ~ 15,000min <sup>-1</sup><br>(20,000min <sup>-1</sup> opt.)  |
| <b>Tool Storage Capacity:</b>      | 40 pcs. (52, 102 opt.)  | 50 pcs. (62, 100, 112, 150, 162, 200, 212 opt.)                 |
| <b>Tool Change Time (T-T/C-C):</b> | 0.9 sec / 2.8 sec min.  | 1.3 sec / 2.5 sec min.  |
| <b>Rapid Feed (X, Y, Z x B):</b>   | 2,362ipm x 300min <sup>-1</sup><br>(60m/min x 108,000deg/min)   | 2,362ipm x 150min <sup>-1</sup><br>(60m/min x 54,000deg/min)    |
| <b>Power Requirement:</b>          | 30KVA   | 45KVA / 50KVA   |

### Mycenter-HX400iG/500

|                                    | Mycenter-HX400iG/500  |
|------------------------------------|---|
| <b>Table Size:</b>                 | 15.7" x 15.7" (400 x 400mm)<br>Opt. 19.7" x 19.7" (500 x 500mm) |
| <b>Travel (X, Y, Z):</b>           | 24.0" x 24.0" x 24.0" (610 x 610 x 610mm)                       |
| <b>Spindle Taper:</b>              | NST No. 40  |
| <b>Spindle Speed:</b>              | 40 ~ 15,000min <sup>-1</sup> (20,000min <sup>-1</sup> opt.)     |
| <b>Tool Storage Capacity:</b>      | 50 pcs. (100, 150, 200, 300 opt.)                               |
| <b>Tool Change Time (T-T/C-C):</b> | 1.3 sec / 2.5 sec min.  |
| <b>Rapid Feed (X, Y, Z x B):</b>   | 2,362ipm (60m/min) x 125min <sup>-1</sup> (45,000deg/min)       |
| <b>Power Requirement:</b>          | 50KVA / 55KVA   |

### Mycenter-HX500iG/630 (#40/#50)

|                                    | Mycenter-HX500iG/630 (#40/#50)   |
|------------------------------------|--|
| <b>Table Size:</b>                 | 19.7" x 19.7" (500 x 500mm)<br>Opt. 24.8" x 24.8" (630 x 630mm)  |
| <b>Travel (X, Y, Z):</b>           | 34.3" x 31.5" x 36.6" (870 x 800 x 930mm)  |
| <b>Spindle Taper:</b>              | NST No. 40, NST No. 50   |
| <b>Spindle Speed:</b>              | 40 Taper 20~20,000min <sup>-1</sup><br>50 Taper 35~12,000min <sup>-1</sup> (8,000min <sup>-1</sup> opt.) |
| <b>Tool Storage Capacity:</b>      | 40 Taper 50pcs. (100, 150, 200 opt.)<br>50 Taper 62pcs. (112, 122, 162, 212 opt.)                        |
| <b>Tool Change Time (T-T/C-C):</b> | 40 Taper 1.3 sec / 3.8 sec min.<br>50 Taper 2.1 sec / 4.8 sec min.                                       |
| <b>Rapid Feed (X, Y, Z x B):</b>   | 2,362ipm (60m/min) x 120min <sup>-1</sup> (43,200deg/min)  |
| <b>Power Requirement:</b>          | 55KVA / 75KVA  |

### Mycenter-HX630G/800

|                                    | Mycenter-HX630G/800   |
|------------------------------------|---|
| <b>Table Size:</b>                 | 24.8" x 24.8" (630 x 630mm)<br>Opt. 31.5" x 31.5" (800 x 800mm) |
| <b>Travel (X, Y, Z):</b>           | 43.3" x 36.2" x 41.3" (1,100 x 920 x 1,050mm)                   |
| <b>Spindle Taper:</b>              | NST No. 50 (HSK-A100 Option)                                    |
| <b>Spindle Speed:</b>              | 35 ~ 12,000min <sup>-1</sup> (8,000min <sup>-1</sup> opt.)      |
| <b>Tool Storage Capacity:</b>      | 62 pcs. (112, 122, 162, 212 opt.)                               |
| <b>Tool Change Time (T-T/C-C):</b> | 2.1 sec / 5.2 sec min.  |
| <b>Rapid Feed (X, Y, Z x B):</b>   | 2,362ipm (60m/min) x 33.3min <sup>-1</sup> (12,000 deg/min)     |
| <b>Power Requirement:</b>          | 65KVA   |

### Mycenter-HX800G

|                                    | Mycenter-HX800G  |
|------------------------------------|--|
| <b>Table Size:</b>                 | 31.5" x 31.5" (800 x 800mm)                                |
| <b>Travel (X, Y, Z):</b>           | 61.0" x 51.2" x 55.1" (1,550 x 1,300 x 1,400mm)            |
| <b>Spindle Taper:</b>              | NST No. 50 (HSK-A100 Option)                               |
| <b>Spindle Speed:</b>              | 35 ~ 12,000min <sup>-1</sup> (8,000min <sup>-1</sup> opt.) |
| <b>Tool Storage Capacity:</b>      | 62 pcs. (112, 122, 162, 212 opt.)                          |
| <b>Tool Change Time (T-T/C-C):</b> | 2.1 sec / 5.9 sec min.                                     |
| <b>Rapid Feed (X, Y, Z x B):</b>   | 2,362ipm (60m/min) x 22.2min <sup>-1</sup> (8,000 deg/min) |
| <b>Power Requirement:</b>          | 70KVA  |

### Mycenter-HX1000i / HX1250i

|                                    | Mycenter-HX1000i / HX1250i                                 |
|------------------------------------|--|
| <b>Table Size HX1000i:</b>         | 39.4" x 39.4" (1,000 x 1,000mm)                            |
| <b>Table Size HX1250i:</b>         | 49.2" x 49.2" (1,250 x 1,250mm)                            |
| <b>Travel (X, Y, Z):</b>           | 80.3" x 53.1" x 53.9" (2,040 x 1,350 x 1,370mm)            |
| <b>Spindle Taper:</b>              | NST No. 50   |
| <b>Spindle Speed:</b>              | 35 ~ 8,000min <sup>-1</sup> (12,000min <sup>-1</sup> opt.) |
| <b>Tool Storage Capacity:</b>      | 150 pcs. (200, 250, 300 opt.)                              |
| <b>Tool Change Time (T-T/C-C):</b> | 2.1 sec / 5.9 sec min.                                     |
| <b>Rapid Feed (X, Y, Z):</b>       | 1,417ipm (36m/min)   |
| <b>Power Requirement:</b>          | 80KVA  |
| <b>Machine Net Weight:</b>         | 120,000 lbs  |

### Mycenter-3XT / Mycenter-4XT

|                                   | Mycenter-3XT  | Mycenter-4XT   |
|-----------------------------------|---|--|
| <b>Table Size:</b>                | 8.7" dia (220mm dia)<br>11.8" x 19.7" (300 x 500mm) | 15.7" dia (400mm dia)<br>14.4" x 23.6" (365 x 600mm) |
| <b>Max. Work Size (Dia. x H):</b> | 19.7" dia x 10.0"<br>(500 dia x 255mm)              | 23.6" dia x 11.8"<br>(600 dia x 300mm)               |
| <b>Travel (X, Y, Z):</b>          | 30.7" x 20.1" x 17.3"<br>(780 x 510 x 439mm)        | 31.5" x 24.0" x 20.1"<br>(800 x 610 x 510mm)         |
| <b>Travel (A, C):</b>             | -120 ~ +40 deg / 0 ~ 360 deg                        | -120 ~ +42 deg / 0 ~ 360 deg                         |
| <b>Spindle Taper:</b>             | NST No. 40  | NST No. 40   |
| <b>Spindle Speed:</b>             | 50 ~ 12,000min <sup>-1</sup>                        | 20 ~ 15,000min <sup>-1</sup>                         |
| <b>Tool Storage Capacity:</b>     | 40 pcs.   | 30 pcs.  |
| <b>Rapid Feed (X, Y):</b>         | 1,890ipm (48m/min)                                  | 1,417ipm (36m/min)                                   |
| <b>Rapid Feed (Z):</b>            | 1,654ipm (42m/min)                                  | 1,417ipm (36m/min)                                   |
| <b>Rapid Feed (A):</b>            | 33.3min <sup>-1</sup> (12,000deg/min)               | 13.3min <sup>-1</sup> (4,800 deg/min)                |
| <b>Rapid Feed (C):</b>            | 25.0min <sup>-1</sup> (9,000deg/min)                | 22.2min <sup>-1</sup> (8,000 deg/min)                |
| <b>Power Requirement:</b>         | 30KVA   | 35KVA  |

### Mytrunnion-4G

|                                    | Mytrunnion-4G                             |
|------------------------------------|---|
| <b>Table Size:</b>                 | 15.7" dia (400mm dia)                     |
| <b>Travel (X, Y, Z):</b>           | 24.0" x 24.0" x 19.7" (610 x 610 x 500mm) |
| <b>Travel (A, C):</b>              | -120 ~ +30 deg / 0 ~ 360 deg              |
| <b>Spindle Taper:</b>              | NST No. 40                                |
| <b>Spindle Speed:</b>              | 40 ~ 15,000min <sup>-1</sup>              |
| <b>Tool Storage Capacity:</b>      | 60 pcs. (100 opt.)                        |
| <b>Tool Change Time (T-T/C-C):</b> | 2.2 sec / 5.8 sec min                     |
| <b>Rapid Feed (X, Y x Z):</b>      | 1,969ipm (50m/min) x 984ipm (25m/min)     |
| <b>Rapid Feed (A, C):</b>          | 50min <sup>-1</sup> (18,000 deg/min)      |
| <b>Power Requirement:</b>          | 45KVA                                     |

### Mytrunnion-5

|                                | Mytrunnion-5  |
|--------------------------------|---|
| <b>Table Size:</b>             | 24.8" dia (630mm dia)   |
| <b>Travel (X, Y, Z):</b>       | 32.1" x 29.3" x 19.7" (815 x 745 x 500mm)                                   |
| <b>Travel (A, C):</b>          | -120 ~ +30 deg / 0 ~ 360 deg  |
| <b>Spindle Taper:</b>          | NST No. 40  |
| <b>Spindle Speed:</b>          | 20 ~ 20,000min <sup>-1</sup>  |
| <b>Tool Storage Capacity:</b>  | 50 pcs. (100 opt.)  |
| <b>Tool Change Time (C-C):</b> | 9.5 sec min.  |
| <b>Rapid Feed (X, Y x Z):</b>  | 1,969ipm (50m/min) x 984ipm (25m/min)                                       |
| <b>Rapid Feed (A, C):</b>      | 6.0min <sup>-1</sup> (2,160 deg/min), 16.7min <sup>-1</sup> (6,000 deg/min) |
| <b>Power Requirement:</b>      | 45KVA   |

Optional Pallet Change Systems available.

### Mytrunnion-7G

|                                | Mytrunnion-7G  |
|--------------------------------|--|
| <b>Table Size:</b>             | 39.4" dia (1,000mm dia)  |
| <b>Travel (X, Y, Z):</b>       | 46.9" x 52.6" x 30.1" (1,190 x 1,335 x 765mm)                              |
| <b>Travel (A, C):</b>          | -120 ~ +30 deg / 0 ~ 360 deg   |
| <b>Spindle Taper:</b>          | NST No. 50   |
| <b>Spindle Speed:</b>          | 35~ 12,000min <sup>-1</sup>  |
| <b>Tool Storage Capacity:</b>  | 100 pcs.   |
| <b>Tool Change Time (C-C):</b> | 9.7 sec min.   |
| <b>Rapid Feed (X, Y x Z):</b>  | 1,969ipm (50m/min) x 1,181ipm (30m/min)                                    |
| <b>Rapid Feed (A, C):</b>      | 25min <sup>-1</sup> (9,000 deg/min), 27.5min <sup>-1</sup> (9,900 deg/min) |
| <b>Power Requirement:</b>      | 65KVA  |



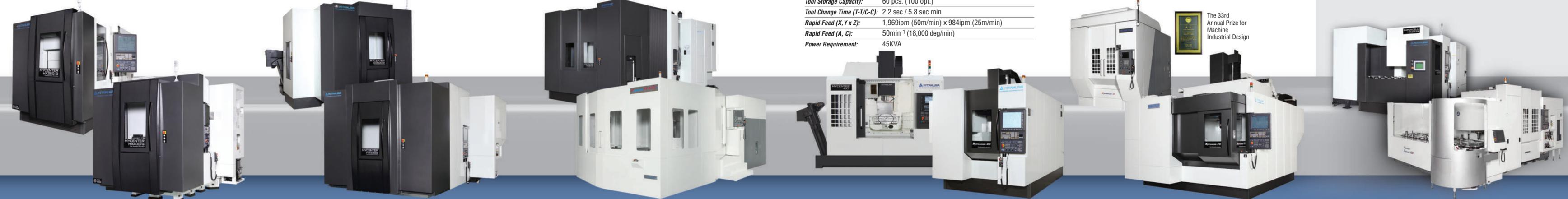
The 33rd Annual Prize for Machine Industrial Design

### Supercell-300G

|                                    | Supercell-300G                            |
|------------------------------------|---|
| <b>Table Size:</b>                 | 7.87" dia (200mm dia)                     |
| <b>Travel (X, Y, Z):</b>           | 18.1" x 20.1" x 18.1" (460 x 510 x 460mm) |
| <b>Travel (A, B):</b>              | -120 ~ +30 deg / 0 ~ 360 deg              |
| <b>Spindle Taper:</b>              | NST No. 40                                |
| <b>Spindle Speed:</b>              | 200 ~ 20,000min <sup>-1</sup>             |
| <b>Tool Storage Capacity:</b>      | 174 pcs (230, 258, 314 opt.)              |
| <b>Tool Change Time (T-T/C-C):</b> | 1.3 sec / 2.5 sec min.                    |
| <b>Rapid Feed (X, Y, Z):</b>       | 2,362ipm (60m/min)                        |
| <b>Rapid Feed (A, B):</b>          | 50min <sup>-1</sup> (18,000 deg/min)      |
| <b>Power Requirement:</b>          | 55KVA                                     |

### Supercell-400G

|                                    | Supercell-400G  |
|------------------------------------|---|
| <b>Table Size:</b>                 | 13.8" dia (350mm dia)                                       |
| <b>Travel (X, Y, Z):</b>           | 20.1" x 20.1" x 20.1" (510 x 510 x 510mm)                   |
| <b>Travel (A, B):</b>              | -100 ~ +10 deg / 0 ~ 360 deg                                |
| <b>Spindle Taper:</b>              | NST No. 40  |
| <b>Spindle Speed:</b>              | 20 ~ 15,000min <sup>-1</sup> (20,000min <sup>-1</sup> opt.) |
| <b>Tool Storage Capacity:</b>      | 140 pcs. (190, 290 opt.)                                    |
| <b>Tool Change Time (T-T/C-C):</b> | 1 sec / 3.2 sec min.  |
| <b>Rapid Feed (X, Y, Z):</b>       | 1,969ipm (50m/min)  |
| <b>Rapid Feed (A, B):</b>          | 6.7 / 33.3min <sup>-1</sup> (2,400 / 12,000 deg/min)        |
| <b>Power Requirement:</b>          | 45KVA   |



### KITAMURA MACHINERY OF USA, INC.

78 East Century Drive Wheeling, IL 60090  
Tel: +1.847.520.7755 Fax: +1.847.520.7763  
www.kitamura-machinery.com  
email: info@kitamura-machinery.com

**Head Office & Works:**  
1870-Toide, Takaoka-City  
Toyama pref, Japan 939-1192  
Tel +81.0766.63.1100 Fax +81.766.63.1128  
http://www.kitamura-machinery.co.jp  
email: mycenter@kitamura-machinery.co.jp

**Tokyo Branch Office:**  
19-11 4-Chome Kamesawa, Sumida-ku  
Tokyo, Japan 130-0014

**Osaka Branch Office:**  
5 Chome-21-8 Esakacho  
Suita-Shi, Osaka-fu  
564-0063 Japan

**Nagoya Technical Center:**  
23-18, 1-Chome Kanaya Moriyama-ku  
Nagoya, Japan

**Kitamura Machinery GmbH:**  
Wahlerstrasse 39  
40472 Düsseldorf, Germany  
Tel +49.211.65-6077 Fax +49.211.904.716  
http://www.kitamura-machinery.de  
email: sales@kitamura-machinery.eu

Specifications subject to change without notice.



Vertical,  
Horizontal & 5-Axis  
Machining Centers

SIMPLIFY THE COMPLICATED



Family owned and operated, Kitamura Machinery has been developing state-of-the-art machine tools since 1933. Machining center manufacture became our mainstay in 1971

as we saw growth in this segment for future generations. Today, as a result of our original technologies and a reputation for high quality and reliability, Kitamura has a full line of **"Mycenter"-Vertical, Horizontal and 5-Axis Machining Centers** sold to a customer base throughout 52 countries worldwide.

When Kitamura began development of our machining centers back in the 1970's there were only a few manufacturers worldwide making machining centers. Now in today's market, you see hundreds of machine tool manufacturers throughout the world making the same. Kitamura values the principals of TGA (True Geometric Accuracy) where we fit and finish each machining center by hand to ensure true squareness, parallelism & perpendicularity. A blend of old world traditions such as craftsmanship in hand scraping and new world advancements result in the superior machine features that differentiate us from the competition and offer our customers the highest levels of accuracy and heavy cutting capability.

In September of 2011, Kitamura introduced our new

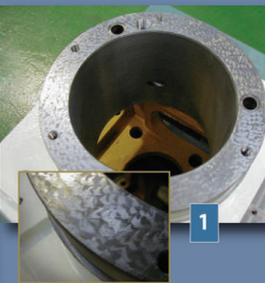
**"Mycenter-G TGA (True Geometric Accuracy) Series"** as a complement to our 80th year in business. With an emphasis on performance, ergonomics and style, we received the 2012 Good Design Award for our "G-Series" machining centers, representing products with high quality and usability as well as outstanding machine design.

In the pursuit of high precision and true accuracy, Kitamura, as a machining center specialist, offers our products to you at a reasonable price without sacrificing quality or machine performance. A machining center purchase should be considered an investment and Kitamura remains continuously devoted to putting forth our best efforts in order to provide the highest levels of machine quality in each machine we install.

**Dr. Akihiro Kitamura, Ph.D., Eng**  
President / C.E.O.  
Kitamura Machinery Co., LTD.



**How a machine is designed is pivotal to how it performs.** Kitamura's TGA-Series machining centers are built on Kitamura's premise of TGA - True Geometric Accuracy. Simply put, it means that Kitamura designs and builds its machines precisely, from the ground up, no short cuts in design and manufacture. Hand scraping of all mounted surfaces requiring assembly in order to provide the full surface contact and proper geometric mechanical alignment necessary to ensure exacting parallelism and perpendicularity – Features essential for heavy duty cutting performance, superior accuracy and long-term reliability. Kitamura is committed to truth in engineering.



**1 All critical machine contact surfaces are extensively and meticulously hand-scraped by some of the world's most experienced machine tool technicians. Machine components such as the spindle mounting surface shown fit perfectly each and every time.**

**2 Our solid boxways are induction hardened and precisely ground to deliver consistent Accuracies of ±0.002mm (±0.000079") Full Stroke and ±0.001mm (±0.000039") Repeatability.**

**3 Only the highest grade Meehanite Cast Iron is used in Kitamura construction. This in combination with our induction hardened, precision ground solid boxways provides the mass, stability and damping necessary to offer heavier cutting ability, superb surface finishes and longer tool life.**

**Mycenter-2XD Sparkchanger**

|                             |   |
|-----------------------------|---|
| Table Size:                 | 15.7" x 22.0" (400 x 560mm)               |
| Travel (X, Y, Z):           | 23.6" x 20.1" x 20.1" (600 x 510 x 510mm) |
| Spindle Taper:              | NST No. 40                                |
| Spindle Speed:              | 50 ~ 12,000min <sup>-1</sup>              |
| Tool Storage Capacity:      | 40 pcs.                                   |
| Tool Change Time (T-T/C-C): | 1.9 sec / 5.2 sec min.                    |
| Rapid Feed (X, Y x Z):      | 1,890 x 1,654ipm (48 x 42m/min)           |
| Power Requirement:          | 30KVA                                     |

**Mycenter-3XD / 4XiD**

|                             | Mycenter-3XD                              | Mycenter-4XiD                               |
|-----------------------------|---|---|
| Table Size:                 | 19.7" x 33.9" (500 x 860mm)               | 19.7" x 44.1" (500 x 1,120mm)               |
| Travel (X, Y, Z):           | 29.9" x 20.1" x 20.1" (760 x 510 x 510mm) | 40.2" x 20.1" x 20.1" (1,020 x 510 x 510mm) |
| Spindle Taper:              | NST No. 40                                | NST No. 40                                  |
| Spindle Speed:              | 50 ~ 12,000min <sup>-1</sup>              | 50 ~ 12,000min <sup>-1</sup>                |
| Tool Storage Capacity:      | 24 pcs.                                   | 40 pcs.                                     |
| Tool Change Time (T-T/C-C): | 2.3 sec / 6.0 sec min.                    | 2.3 sec / 8.0 sec min.                      |
| Rapid Feed (X, Y x Z):      | 1,890 x 1,654ipm (48 x 42m/min)           | 1,890 x 1,654ipm (48 x 42m/min)             |
| Power Requirement:          | 25KVA                                     | 25KVA                                       |



**Mycenter-3020G**

|                             |   |
|-----------------------------|---|
| Table Size:                 | 19.7" x 33.9" (500 x 860mm)   |
| Travel (X, Y, Z):           | 30.0" x 20.1" x 20.1" (762 x 510 x 510mm)                                   |
| Spindle Taper:              | NST No. 40  |
| Spindle Speed:              | 40 ~ 15,000min <sup>-1</sup> (20 ~ 20,000min <sup>-1</sup> Gear Drive opt.) |
| Tool Storage Capacity:      | 30 pcs.   |
| Tool Change Time (T-T/C-C): | 2.2 sec / 4.4 sec min.  |
| Rapid Feed (X, Y x Z):      | 1,969 x 1,417ipm (50 x 36m/min)   |
| Power Requirement:          | 30KVA   |

**Mycenter-3020G Sparkchanger**

|                             |   |
|-----------------------------|---|
| Table Size:                 | 19.7" x 33.9" (500 x 860mm)   |
| Travel (X, Y, Z):           | 30.0" x 20.1" x 20.1" (762 x 510 x 510mm)                                   |
| Spindle Taper:              | NST No. 40  |
| Spindle Speed:              | 40 ~ 15,000min <sup>-1</sup> (20 ~ 20,000min <sup>-1</sup> Gear Drive opt.) |
| Tool Storage Capacity:      | 30 pcs.   |
| Tool Change Time (T-T/C-C): | 2.2 sec / 4.4 sec min.  |
| Rapid Feed (X, Y x Z):      | 1,969 x 1,417ipm (50 x 36m/min)   |
| Power Requirement:          | 30KVA   |



**JIGcenter-5**

|                         |   |
|-------------------------|---|
| Table Size:             | 30.7" x 47.2" (780 x 1,200mm)             |
| Travel (X, Y, Z):       | 32.1" x 29.3" x 19.7" (815 x 745 x 500mm) |
| Spindle Taper:          | NST No. 40                                |
| Spindle Speed:          | 20 ~ 20,000min <sup>-1</sup>              |
| Tool Storage Capacity:  | 50 pcs. (100 opt.)                        |
| Tool Change Time (C-C): | 9.5 sec min.                              |
| Rapid Feed (X, Y, Z):   | 984ipm (25m/min)                          |
| Power Requirement:      | 35KVA                                     |

**BRIDGEcenter-6G / 8G (#40 / #50)**

|                             | Bridgecenter-6G  | Bridgecenter-8G  |
|-----------------------------|--|--|
| Table Size:                 | 35.4" x 70.9" (900 x 1,800mm)  | 35.4" x 98.4" (900 x 2,500mm)                                |
| Travel (X, Y, Z):           | 60.2" x 43.1" x 28.0" (1,530 x 1,095 x 710mm)                                  | 80.0" x 43.1" x 28.0" (2,032 x 1,095 x 710mm)                |
| Spindle Taper:              | NST No. 40, NST No.50  | NST No. 40, NST No.50  |
| Spindle Speed:              | 40 Taper 20 ~ 20,000min <sup>-1</sup><br>50 Taper 35 ~ 12,000min <sup>-1</sup> | 20 ~ 20,000min <sup>-1</sup><br>35 ~ 12,000min <sup>-1</sup> |
| Tool Storage Capacity:      | 40 pcs. (60, 80 opt.)  | 40 pcs. (60, 80 opt.)  |
| Tool Change Time (T-T/C-C): | 6.6 sec / 12 sec min.  | 6.6 sec / 12 sec min.  |
| Rapid Feed (X, Y x Z):      | 945ipm (24m/min)   | 945ipm (24m/min)   |
| Power Requirement:          | 35KVA / 45KVA  | 35KVA / 45KVA  |



**BRIDGEcenter-10G**

|                             |                                       |
|-----------------------------|---------------------------------------|
| Table Size:                 | 53.9" x 118.1" (1,370 x 3,000mm)      |
| Travel (X)                  | 100.0" (2,540mm)                      |
| Travel (Y, Z):              | 63.6" x 31.5" (2,540 x 1,615 x 800mm) |
| Spindle Taper:              | NST No. 50                            |
| Spindle Speed:              | 35 ~ 12,000min <sup>-1</sup>          |
| Tool Storage Capacity:      | 40 pcs. (60, 80 opt.)                 |
| Tool Change Time (T-T/C-C): | 6.6 sec / 14 sec min.                 |
| Rapid Feed (X, Y, Z):       | 945ipm (24m/min)                      |
| Power Requirement:          | 50KVA                                 |

**BRIDGEcenter-12G**

|                             |                                       |
|-----------------------------|---------------------------------------|
| Table Size:                 | 53.9" x 137.8" (1,370 x 3,500mm)      |
| Travel (X)                  | 120.1" (3,050mm)                      |
| Travel (Y, Z):              | 63.6" x 31.5" (2,540 x 1,615 x 800mm) |
| Spindle Taper:              | NST No. 50                            |
| Spindle Speed:              | 35 ~ 12,000min <sup>-1</sup>          |
| Tool Storage Capacity:      | 40 pcs. (60, 80 opt.)                 |
| Tool Change Time (T-T/C-C): | 6.6 sec / 15 sec min.                 |
| Rapid Feed (X, Y, Z):       | 945ipm (24m/min)                      |
| Power Requirement:          | 50KVA                                 |



**The Technical Prize of the Japan Society of Precision Engineering.**  
This is the most valuable award in the machine industry. This award is given by the Japan Society of Precision Engineering, which is made up of professors from famous Japanese Universities and National research institutes, in addition to various highly reputed specialists in the industry. JSPE expanded its organization in 1981, deciding to give only one award to the most excellent company in the industry. This, only after strict underwriting and examination. Kitamura Machinery was the first company to obtain this award by the recognition of the JSPE in the Japanese machine industries.



The 10th/24th annual prize of the Japan Society for the promotion of Machine Industry

The prize from the Director of the Science and Technology agency



The 20th annual prize of the Conservation Energy for the Machine Tool



The annual prize of the Medium and Small Business Research Institute



The 1st Japan Information Technology Management Award



The annual prize of New Technology for the Medium and Small Business  
The Japan Society for the Promotion of Machine Industry



5th annual Monozukuri Nippon Grand Award for continuous advances in production within the manufacturing industry



The 46th Annual Prize for Machine Industrial Design



2012 Award Winner