# Mycenter® iG Series

**HORIZONTAL MACHINING CENTERS**

For LONG MACHINE TOOL LIFE and day-in, day-out accuracy and reliability, CONSTRUCTION COUNTS.

## POWER
High Speed, High Torque Geared Spindles

## CONSTRUCTION
Hand Scraping/Solid Box Ways

## PRECISION
Patented Twin Ballscrew & Dual Feedback Technology

---

**WIDE SELECTION OF SIZES! In Stock IMMEDIATE Delivery!**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Workpiece Size</th>
<th>Dual Contact Spindle</th>
<th>Rapid Feed (X, Y, Z):</th>
<th>Machine Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>HX250iG</td>
<td>Ø835mm (33&quot;&quot;) H 400mm (15.7&quot;) H</td>
<td>150-15,000mm³ (20,000min⁻¹ Opt.)</td>
<td>60m/min (2,362ipm)</td>
<td>4,500kg (9,900 lbs.)</td>
</tr>
<tr>
<td>HX300iG</td>
<td>Ø830mm (32.6&quot;) H 745mm (29.3&quot;) H</td>
<td>40-15,000mm³ (20,000min⁻¹ Opt.)</td>
<td>9,800kg (21,660 lbs.)</td>
<td></td>
</tr>
<tr>
<td>HX400iG</td>
<td>Ø800mm (31.5&quot;) H 745mm (29.3&quot;) H</td>
<td>40-15,000mm³ (20,000min⁻¹ Opt.)</td>
<td>16,100kg (35,420 lbs.)</td>
<td></td>
</tr>
<tr>
<td>HX500iG #40</td>
<td>Ø800mm (31.5&quot;) H 1,100mm (43.3&quot;) H</td>
<td>4 Step Guard 20-20,000mm³ (8,000min⁻¹ Opt.)</td>
<td>16,500kg (36,300 lbs.)</td>
<td></td>
</tr>
<tr>
<td>HX500iG #50</td>
<td>Ø800mm (31.5&quot;) H 1,100mm (43.3&quot;) H</td>
<td>4 Step Guard 35-12,000mm³ (8,000min⁻¹ Opt.)</td>
<td>21,000kg (46,200 lbs.)</td>
<td></td>
</tr>
<tr>
<td>HX630iG</td>
<td>Ø800mm (31.5&quot;) H 1,300mm (51.2&quot;) H</td>
<td>4 Step Guard 35-12,000mm³ (8,000min⁻¹ Opt.)</td>
<td>28,400kg (62,480 lbs.)</td>
<td></td>
</tr>
<tr>
<td>HX800iG</td>
<td>Ø800mm (31.5&quot;) H 1,550mm (61.0&quot;) H</td>
<td>4 Step Guard 35-12,000mm³ (8,000min⁻¹ Opt.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Positioning Accuracy: ±0.002mm (±0.000079") / Full Stroke**

**World’s Fastest Rapids: 60m/min (2,362ipm) on Solid Box Ways**

**Repeatability: ±0.001mm (±0.000039")**

---

**Notes:** Mycenter-HX250iG & HX300iG are equipped with Cross Linear Roller Ways
Features that promote ease of operation

**KITAMURA® POWER**

⇒ Rrigidity in spindle construction with tighter bearings results in not only **HEAVY cutting ability** but also **better SURFACE FINISHES**. Dual contact spindle design guarantees **higher cutting accuracy** and extended cutting tool life.

⇒ Deliver the necessary torque for tough cuts and high-end power for fine finishes.

⇒ Highly efficient cutting performance with low energy consumption.

⇒ Efficient oil chiller system used for minimizing thermal displacement and maximizing spindle life to achieve the performance needed for **high accuracy machining**.

Kitamura’s unique gear-driven spindle design has earned Kitamura the coveted “**20th Japan Industrial Machining Union Chairman Award**” for the best energy saving machine tool technology

**KITAMURA® CONSTRUCTION**

⇒ Kitamura’s solid box ways offer **heavier cutting ability, better surface finishes and longer tool life**.

⇒ Kitamura’s solid box ways provide 7 x more surface contact under the same high speed rapid feed rates as linear ways.

⇒ Solid box guide ways are induction hardened and precision ground to provide optimum accuracy, superior abrasion resistance and vibration absorption for finer surface finishes and increased machine longevity.

⇒ **TGA (True Geometric Accuracy)** - Kitamura hand scrapes all mating surfaces for full surface contact & proper alignment (squareness, parallelism, perpendicularity) to ensure unparalleled machine accuracy, long-term reliability and peak performance.

**KITAMURA® HIGH SPEED PRECISION**

⇒ Small diameter, fine pitch ballscrews allow for higher ballscrew RPM with smaller incremental movements. Dual ballscrew and motor technology on each axis offers the stability necessary to support large, heavy masses moving at higher speeds with a **higher degree of accuracy**, especially when cutting heavier, more exotic materials.

⇒ **Pioneering Icon CNC Operation**—Kitamura’s Arumatik-Mi CNC Control utilizes ultra-high speed CNC technology for smoother and faster machining of more complex workpieces thanks to the power of with 1680-block look ahead, 2,800/ blocks per sec. processing speeds.

Patented twin ballscrew & dual feedback technology since 1999!