

3 AXIS MACHINING CENTER: Designed for cutting (routing, V-grooving, contouring), drilling, and milling operations in solid aluminum and composite aluminum and steel panels. Other materials include PVC panels and various other plastics or wood.

WORKING DIMENSIONS: X—125.9 | Y—62.9" | Z—3.9"

AXIS SPEEDS (INCHES PER MINUTE): X—2,362 | Y—2,362 | Z—787



STANDARD:

- **Construction:** Welded steel bed frame with X axis linear guides and axis motion driven by rack and pinion and brushless motors. Bridge type gantry assembly made from extruded structural beam with linear guides with Y axis motion driven by rack and pinion and Z axis motion driven by ball and screw.
- **Electrospindle:** 5.1 Hp/18,000 RPM ISO30 is standard. 2 pole. Air cooled.
- **NC:** Modular with industrial PC, 1 GHz CPU, 20 Gb hard drive, Ethernet, parallel port, USB port, 15" color monitor, modem, mouse, keyboard, Windows XP®.
- **Software:** CN6 control software with ISO language editor and compiler, SLW (Self Learning Software; graphical user interface that allows programming based on visual reference between machine display and technical drawings or sketches).
- **Tool magazine:** Automatic retracting (covered). 12 tools places. 8 to 10 second tool change.
- **Clamping system:** CNC controlled vacuum table, segmentable, including all pumps & hardware.
- **Dust/Chips extraction system:** Work area vacuum box with skirt and ducting are included.
- **Coolant system:** Venturi fed micro-drop technology.
- **Safety device:** Photocells along all 4 sides of machine.
- **Linear repeatability:** Positioning controlled by rotary encoders. Programmed linear positions will repeat to $\pm 0.0039"$.
- **Tool length sensor**
- **Dry run capability**
- **Tool life alarm, production counter & cycle timer**
- **Absolute and incremental jog**
- **5 days on-site installation and training**
- **1 year/2,000 hours warranty on parts and labor**

OPTIONS:

- **SLW software for the office**
- **NC Tool: 2D CAM software for drawing and importing CAD drawings then generating machine code in ISO**
- **TK CAM: 3D CAM software for advanced graphical interface and programming**
- **Vacuum chips/dust removal system**
- **Bar code utilities for automating program load and for integration to production systems**
- **Bar code reader - hardwired or wireless**
- **Laser datum finder**
- **Remote control console for jog and other controls while standing anywhere along the X axis**
- **Voltage stabilizer**
- **Uninterruptible power supply**
- **Electronics cabinet cooling system**

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