



***Quality Machining from Prototype to Production***

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**JBT Machining, Inc. started business in 1995 and is committed to producing quality machined parts to meet the needs of our customers. On time deliveries and attention to our customers' needs has earned us a reputation as a reliable partner. We can help you reduce your inventory costs by using blanket purchase orders or just in time delivery programs.**

**In August of 2017 due to continued growth, JBT Machining moved into a 42,000 square foot fully air-conditioned manufacturing facility.**

**Our Engineering department has experience in a variety of manufacturing industries listed below:**

**Aerospace, Agricultural, Architectural, Automotive, Automated Equipment, Custom Machine Industry, Conveyor Industry, Defense, Filtration Equipment, Food Industry, Hydraulics, High Purity, Marine, Material Handling, Medical Industry, Packaging, Pneumatic, Semiconductor and Testing Equipment.**

**Our equipment currently includes the following:**

**CNC Horizontal Milling Equipment**

**\* HX250i Kitamura MyCenter Horizontal Machining Center – 2018**

- **12" X – axis travel**
- **12" Y- axis travel**
- **13" Z- axis travel**
- **15000 RPM Spindle**
- **1,000 PSI Coolant Thru Spindle with Coolant Chiller**
- **2,362 Inches per Minute Travels, Full 4<sup>th</sup> axis**
- **40 Capacity Tool Changer**

- \* **HX250i Kitamura MyCenter Horizontal Machining Center – 2018**
  - **12” X – axis travel**
  - **12” Y- axis travel**
  - **13” Z- axis travel**
  - **15000 RPM Spindle**
  - **1,000 PSI Coolant Thru Spindle with Coolant Chiller**
  - **2,362 Inches per Minute Travels, Full 4<sup>th</sup> axis**
  - **40 Capacity Tool Changer**
  
- **HX400iF Kitamura MyCenter – TGA Horizontal Machining Center – 2012**
  - **28.9” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **20,000 RPM Spindle (Geared Head)**
  - **200 Capacity Tool Changer**
  - **Big Plus Spindle**
  - **1,000 PSI Coolant Thru Spindle**
  - **38,000 lb. Box Way Machine with 1,969 inches per minute rapids in X, Y, Z axis, full 4th axis rotary table**  
**2022**
  - **Fastems Flexible 28 Pallet Pool to be able to run more efficiently and to also allow lights out running capabilities, shares with second HX400iF Horizontal**
  
- **HX400iF Kitamura MyCenter – TGA Horizontal Machining Center – 2012**
  - **28.9” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **20,000 RPM Spindle (Geared Head)**
  - **50 Capacity Tool Changer**
  - **Big Plus Spindle**
  - **1,000 PSI Coolant Thru Spindle**
  - **38,000 lb. Box Way Machine with 1,969 inches per minute rapids in X, Y, Z axis, full 4th axis rotary table**

- **HX400G Kitamura MyCenter – Horizontal Machining Center – 2013**
  - **24” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **15,000 RPM Spindle**
  - **Big Plus Spindle**
  - **50 Capacity Tool Changer**
  - **1,000 PSI Coolant Thru Spindle**
  - **Blum Probe**
  
- **Kitamura MyCenter 3XT 5 Axis Vertical Machining Center - 2018**
  - **30.7” X-axis travel**
  - **20.1” Y-axis travel**
  - **17.3” Z-axis travel**
  - **12,000 RPM Spindle**
  - **40 Taper**
  - **40 Capacity Tool Changer**
  - **1,000 PSI Coolant Thru Spindle**

### **CNC Vertical Bridge Mill**

- **Kao Ming Bridge Mill KMC423 (HIS Double Column) – 2015**
  - **166” X-axis travel**
  - **86” Y-axis travel**
  - **41” Z-axis travel**
  - **10,000 RPM Cat 50 Spindle**
  - **1,000 PSI Coolant Thru**
  - **60 Capacity Tool Changer**
  - **80,000 lb.**
  
- **Hurco DCX22 Bridge Mill - 2018**
  - **86.6” X-axis travel**
  - **66.9” Y-axis travel**
  - **29.5” Z-axis travel**
  - **12,000 RPM Cat 40 Spindle**
  - **1,000 PSI Coolant Thru**
  - **40 Capacity Tool Changer**

## **CNC Vertical Mills**

- **Hurco VMX84 – 2015**
  - **84” X-axis travel**
  - **34” Y-axis travel**
  - **30” Z-axis travel**
  - **10,000 RPM Spindle**
  - **40 Tools**
  - **Coolant Thru Spindle**
  
- **Hurco VMX6030i – 2017**
  - **60” X-axis travel**
  - **30” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **Coolant Thru Spindle**
  - **30 Tool Changer**
  
- **Hurco VMX42i – 2017**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **30 Tool Changer**
  - **Coolant Thru Spindle**
  
- **Hurco VMX42 – 2014**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **24 Tools**
  - **Coolant Thru Spindle**

- **Hurco VMX42 – 2014**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **24 Pocket Swing Arm Tool Change**
  - **Chip Conveyor**
  - **Coolant Thru Spindle**
  
- **Hurco VMX42 – 2013**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **24 Pocket Swing Arm Tool Changer**
  - **Chip Conveyor**
  - **Coolant Thru Spindle**
  
- **Hurco VMX42 – 2012**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **24 Pocket Swing Arm Tool Changer**
  - **Chip Conveyor**
  - **Coolant Thru Spindle**
  
- **Hurco VMX42 – 2012**
  - **42” X-axis travel**
  - **24” Y-axis travel**
  - **24” Z-axis travel**
  - **12,000 RPM Spindle**
  - **24 Pocket Swing Arm Tool Changer**
  - **Chip Conveyor**
  - **Coolant Thru Spindle**

### **Hurco VMX30 – 2013**

- **30” X-axis travel**
- **20” Y-axis travel**
- **24” Z-axis travel**
- **12,000 RPM Spindle**
- **24 Pocket Swing Arm Tool Changer**
- **Chip Conveyor**
- **1,000 PSI Coolant Thru Spindle**
- **Blum Probe**

### • **Hurco VMX20 – 2014**

- **40” X-axis travel**
- **20” Y-axis travel**
- **20” Z-axis travel**
- **Coolant Thru Spindle**
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### • **Hurco VM1 – 2007**

- **26” X-axis travel**
- **14” Y-axis travel**
- **18” Z-axis travel**
- **8,000 RPM**

### • **Bridgeport Series 1**

- **30” X-axis travel**
- **12” Y-axis travel**
- **Power Feed for X and Y axis**
- **Power Draw Bar**
- **Right Angle Head with Horizontal Attachments**

## **CNC Turning**

- **Nakamura WY-100 - 2018**
  - **Opposed twin spindle, twin turret**
  - **Max 48 tools, 24 tool stations with 1/2 degree indexing**
  - **24 driven tool stations**
  - **6' bar loader**
  
- **Nakamura WY-150 - 2018**
  - **Opposed twin spindle, twin turret**
  - **Max 48 tools, 24 tool stations with 1/2 degree indexing**
  - **24 driven tool stations**
  - **6' bar loader**
  
- **Nakamura AS-200MY**
  - **Y – Axis unit with 24 position Turret**
  - **Full “C” Axis Milling unit**
  
- **Nakamura AS-200MY**
  - **Y – Axis unit with 24 position Turret**
  - **Full “C” Axis Milling unit**

## **Quality**

**All JBT Machining inspection equipment and hand tools, including employees, are calibrated by outside independent calibration companies yearly.**

- **Zeiss Contura G2 AKTIV**
  - **X – 27.600**
  - **Y – 39.400**
  - **Z – 23.600**
  - **Scanning Technology**
  - **Vast XT Head**
- **Vision System 2012**
  - **X – 12.000**
  - **Y – 12.00**
  - **Z – 6.000**
- **Zeiss Surfcom 130A Profilometer (2017)**
- **Electronic Height Gages**
  - **Fowler Trimos V4 Electronic (2017)**
  - **Fowler Trimos V4 (2017)**
  - **Mitutoyo 24”**
  - **Mitutoyo 18” height gage**
- **Stereo Microscope with the DHMI Camera (2017)**
- **Precision Electronic 3 Point Bore Gages**
  - **.750 to up 6” – Multiple Sets**
- **Granite Inspection Plates**
  - **4” x 3’ x 3’ granite inspection plate**
  - **6” x 3’ x 4’ granite inspection plate**
  - **6” x 4’ x 6’ granite inspection plate**
  - **8” x 4’ x 8’ granite inspection plate**
- **Gage Pins**
  - **Meyer ZZ gage pins up to 1” mater set for inspection room**
  - **Meyer gage pins for shop set**
  - **Deltronics gage pins up to 1”**
- **Mitutoyo gage blocks – 4 sets**



- **Misc. Hand Tools**
  - **Miscellaneous calipers up to 48"**
  - **Mitutoyo micrometers up to 12"**
  - **Miscellaneous indicators**
  - **Precision dial bore gages**
  - **Miscellaneous Greenfield thread plug gages master set for inspection room**
  - **Miscellaneous Greenfield thread plug gages shop set**

### **Tapping**

- **Procuiner and Tapmatic tapping heads with capacity up to 1-1/8" thread**
- **Flex Arm tapping machine – Pneumatic Tapping Arm up to 36" of reach**
- **Flex Arm GHM-18 hydraulic motor – Tap up to 7/8-20 up to 76" of reach**
- **Flex Arm FAV-24 assembler – up to 57" of reach**
- **CNC vertical mill rigid tapping capabilities**
- **CNC Tapmatic tapping heads**

### **Sawing**

- **Marvel PA360 EPC Horizontal post style saw 14" x 14" Capacity (2016)**
- **HYD-MECH H-12A automatic saw 12" x 12" capacity**
- **Roll In vertical band saw**
- **Super Brown compound miter saw with air vise**

### **Software**

- **ECI M1 ERP Software System**
- **Gibbs with Advanced milling (10 seats)**

### **Miscellaneous Equipment**

- **Unicarrier BXC50N 5,000 lb. Electric Lift (2016)**
- **Unicarrier Fuel Injected 6,000 lb. Forklift (2016)**
- **Yale Forklift rated for 5,000 lbs.**
- **Toyota Forklift rated for 4,000 lbs.**
- **Pallet Jacks rated for 5,000 lbs. (2)**
- **15" Sine Plate**
- **30" Sine Plate**
- **Toyota Electric Walkie Pallet Jack (2017)**
- **Anver Heavy duty vacuum lifts from two to ten suction cup capabilities with 90-degree rotation**