

High Volume / Low Mix Production

Vertical Machining - (Two Units)

- Travels X/Y/Z 20"x12"x20"
 - Spindle Speed – 10,000 RPM
 - 14 tool storage
 - Pallet Change
-

- Travels X/Y/Z 16"x12"x10"
 - Spindle Speed – 10,000 RPM
 - 14 tool storage
 - Pallet Change
-

- Travels X/Y/Z 16"x12"x10"
 - Spindle Speed – 10,000 RPM
 - 14 tool storage
 - Pallet Change
 - **Dual 8" indexers**
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- Travels X/Y/Z 20"x12"x18"
- Spindle Speed – 10,000 RPM
- 14 tool storage
- **5th Axis Trunnion**
- **Robot load/unload**

High Mix / Low Volume Production & Prototyping

Vertical Machining (Three Units)

- Travels X/Y/Z 40"x22"x20"
 - Spindle Speed – 12,000 RPM
 - 30 tool storage
 - High Accuracy - Scale Feedback
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- Travels X/Y/Z 30"x15"x20"
 - Spindle Speed – 20,000 RPM
 - 21 tool storage
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- Travels X/Y/Z " 30"x15"x20"
 - Spindle Speed– 15,000 RPM
 - 21 tool storage
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- Travels X/Y/Z 15"x20"x20"
 - Spindle Speed – 15,000 RPM
 - 21 tool storage
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Vertical Machining – (Three Units)

- Travels X/Y/Z 30"x15"x20"
 - Spindle Speed – 7,500 RPM
 - 21 tool storage
 - 4th Axis
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- Travels X/Y/Z 40"x20"x20"
 - Spindle Speed – 7,500 RPM
 - 21 tool storage
-

- Travels X/Y/Z 40"x20"x20"
- Spindle Speed – 10,000 RPM
- 21 tool storage
- 4th Axis



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Large Workpiece Machining

Vertical Machining

- Travels X/Y/Z **10ftx10ftx48"**
- Spindle Speed - 17,600 RPM
- **5 axis Head**

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- Travels X/Y/Z 80"x42"x32"
 - Spindle Speed – 14,000 RPM
 - 50 taper
 - 40 tool storage

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- Travels X/Y/Z 60"x30"x30"
 - Spindle Speed – 10,000 RPM
 - 30 tool storage
 - 4th Axis

Turning Centers

- 8" chuck – 2.2" Bore
- Travels X/Z – 6.3" x 21.6"
- Spindle Speed – 3,500 RPM 20HP
- 5C Collets
- 22" swing
- 12 Station Turret

Live Tool, Sub-Spindle, Y-Axis (Two Units)

- 8" chuck Main Spindle – 3.07" Bore, 2.6" Draw Tube capacity
- 6" chuck Sub Spindle - 1.77" Bore, 1.42" Draw Tube capacity
- Travels X/Z/Y/B – 9.3" / 22.8" / 4.0" / 22.8"
- Spindle Speeds – 4000 RPM 20HP Main / 5000 RPM 10HP Sub
- 5C & 3J Collets
- 25.6" swing
- 12 Station Turret / Multiple tools per station
- BMT65 Turret with 6000RPM 7.5HP milling capability
- Automated parts catcher

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- 6" chuck – 1" Bore
 - Travels X/Z – 4" x 12"
 - Spindle – 3,000 RPM
 - 5C Collets
 - 12" swing
 - 8 Station Turret



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