



CIGNYS ANNOUNCES THE PURCHASES OF A PUMA High Performance Multi-Axis ATC Milling and Turning Center with B-axis in support of Joint Venture...

The PUMA MX2500LST multi-task milling/turning center is designed for heavy and interrupted cutting, long-term high accuracy, and superior surface finishes. High-speed tool change and turret indexing combined with fast rapid traverse rates minimize non-cutting time. C-axis contouring, Y-axis off-center and B-axis any-angle milling/drilling allow for single set-up completion of highly complex workpieces. Multi-tasking capabilities increase productivity and provide for just-in-time production requirements by reducing lead time, changeover time, set-up time, and time between operations.



FEATURES:

- High speed 3,500 RPM spindle(s)
- Powerful 35 HP high-torque integral spindle motor(s)
- Refrigerated temperature control spindle cooling system
- Large bar capacity
- Milling, drilling, and tapping capabilities
- 40 station ATC with 1.8 sec tool to tool time
- Fast 10,000 rpm milling spindle
- 25 Hp milling spindle motor
- Y-axis with 6.3" stroke
- X1 axis glass scales
- B-axis tilting 240 degrees
- Roller gear cam (RGC) type B-axis gear train
- 12 Station lower turret with rotary tool capability
- Base mounted tooling (BMT) system on lower turret
- Full contouring C-axis
- Rigid tapping on all spindles and lower turret rotary tools
- Tool monitoring system for wear and breakage detection
- Pretensioned X and Z axis ball screws
- Fast 945 IPM rapid traverse
- Electric torque limiter crash protection
- 3,980 pounds of Z axis thrust
- Automatic tool setter
- Automated part unloading system(MX2500ST/LST only)
- Separate coolant tank
- Large 21.25" maximum turning diameter
- 145 PSI coolant pump for milling head
- Way lube separation system
- Right spindle body positioning by ball screw & servo motor (MX2500ST/LST only)
- Right spindle can be synchronized with left spindle (MX2500ST/LST only)