



ISO 9001:2000 Registered
CWB Division 2.1 Certified

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Introducing - The Latest Addition To Our Machining Family (New 2006) -
Demonstrating a Continued Investment in Technological Advancement and a Commitment to Our Future

Multi-Tasking Machine Technology Provides High Quality, Efficiency & Repeatability

Mazak – Quick Turn Nexus 250MSY c/w Automatic Bar Feeder for Multiple Small Part Turning & Milling



QTN	250MSY
Chuck Size	10"
Bar Capacity	3"
Main Spindle	4,000 rpm - 35 hp (30 min.)
Rotary Tool Spindle	4,500 rpm
Second Spindle	YES
Tailstock	NO

Quick Turn Nexus 250MSY employs 35, 10, and 7.5 hp spindles with respective 4,000, 6,000, and 4,500 rpm max speeds. Rotary and turning tools can be mounted at any position of 12-station drum turret, and workpiece can be automatically oriented in phase. Features include quick-change toolholders, Fusion 640T Nexus CNC, and automatic tool presetting arm. X-, Y-, and Z-axis traverse rates are 1,181, 826, and 1,299 ipm respectively.

With the introduction of **NEXUS**, a new generation of machine tools was born. The **QTN Series** brings together advanced technology, productivity and value to deliver exceptional performance. It delivers **Multi-Tasking** capability with **milling and turning in a single setup**. Power and speed is increased in virtually every category. Plus, it comes equipped with the **Mazatrol Fusion 640** CNC control, featuring simple, smart conversational programming, complete with monitoring and diagnostics.

QUICK TURN NEXUS MAIN CHARACTERISTICS:

- Main turning spindle from 15-40 HP
- Second spindle for back-side finishing of parts
- Y-axis milling capability
- Servo tailstock
- Automatic tool eye



Multi-Tasking in the machining world is the combining of processes onto one machine, which were traditionally processed on multiple machines. The ultimate goal is to turn, mill, drill, tap, bore and finish the part in a single setup, called “Done-In-One”.

This may be the single most important innovation in manufacturing technology for any company seeking to become lean, efficient, and globally cost-competitive.

Mazak is a pioneer in the field, introducing the first turn/mill lathe in 1983. Over the past twenty years, they have developed the broadest range of multi-tasking machines in the industry, serving low, medium and high-volume producers.

What Multi-Tasking can do for you:

- Compressed lead times - from weeks to days
- Reduced lot sizes with no cost penalty – multiple pieces or lots of one
- Higher frequency shipments
- Reduced part costs - fewer fixtures, tools and FAR LESS LABOUR
- Slashes non value-added time - multiple setups, handling, and queue time
- Improved part accuracy - no tolerance build-up
- Reduced shop burden - fewer machine tools/space/utilities



Mazak has been known for CNC Turning Centers for over four decades. The range of applications seems endless, from small part turning to jumbo heavy-duty cutting. Production quantities range from thousands per week to single pieces. Multi-Tasking capabilities are part of many of these CNC turning products.

All Mazak Turning Centers stress productivity, from the advanced technologies built-in, to rugged, high-quality construction. And teamed with Mazatrol conversational CNC, offers the shortest path from setup to first-part machining.

On-machine programming is based on question-and-answer dialogue between the operator and control - in English. The Mazatrol CNC already contains a database of recommended cutting speeds and feeds, tool management, tool path checking and 3-D solid simulation of the cutting program, making programming intuitive even for less experienced operators. As cutting tool performance is improved, new parameters may be easily incorporated into the tool database and applied across all programs.

Large or Small Quantities or Sizes - Dedicated To Finding A Solution To Suit Your Needs!

*Contact Us Today For All Your Machining or Fabricating Needs
(705) 942-3200*