



SHELTON MACHINERY OUTLOOK

VOLUME 35 ISSUE 1

WINTER 2015

Mazak

MAZAK CORPORATION

Leaders in the manufacture of advanced technology solutions including Multi-Tasking, hybrid Multi-Tasking, 5-axis, milling, turning, CNC controls and automation.

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IT'S TIME TO PASS THE TORCH

ON DECEMBER 31, 2014, AFTER MORE THAN 26 YEARS WITH SHELTON MACHINERY, I OFFICIALLY RETIRED. And while I'm excited about this new chapter of my life, it will be strange not to follow my daily routine of helping customers and working with an extraordinary team. However, it will be nice to look back at an accomplished career fueled by hard work and amazing partners.

When I started the company in February 1988, I believed providing total manufacturing solutions to the metalworking industry was a necessity, not an option. And from this philosophy came one of our

company's core values, which is taking care of customers better and faster than the competition. Not only has this core value stood the test of time and made Shelton the success it is today, it will continue on long after my retirement.

Jeff Tucker and Nick Shelton – who have been with Shelton for 27 and 16 years, respectively – will be the ones to follow in my footsteps. They have stood by my side in good times and bad, both providing unwavering vision and extraordinary commitment.

Having mentored them over the past 10 years in preparation for my retirement, I have complete confidence that Jeff and Nick will continue Shelton's mission and productively navigate the company and its customers through the complex, ever-changing manufacturing landscape.

Through my guidance, I shared this piece of advice with them (and I hope it benefits you too): *The one key thing I learned in business is to not sit back and wait for the perfect time. Because in reality, we never sit still. We are either moving forward or backward. Therefore, it's important to look at where you want to be in one, five and 10 years and get started today.*

It's truly great to be able to pass the torch to people who care just as much about Shelton and its customers as I do. Shelton was a dream come true for me, and I feel so blessed to have met so many great people and experienced so many exciting things – all with no regret.

In the end, I am extremely proud of all Shelton's accomplishments, and can't thank you enough for your trust and support of the company. Together, we have had many successes, and I can't wait to hear how they continue with Jeff and Nick. After all, it's impossible to disconnect myself from Shelton with these guys being part of my family. I also love the manufacturing world too much not to stop by an event or two. Therefore, this is not a goodbye, but until next time.

Best Wishes,

Jim Shelton

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TURN A BETTER PROFIT

Through its Kentucky-built **QUICK TURN UNIVERSAL (QTU)**, **QUICK TURN SMART (QTS)** and **QUICK TURN NEXUS (QTN)** machine lines, Mazak offers endless turning possibilities, from processing simple parts with diameters as small as 11" in to cutting large, long-shaft workpieces with maximum diameters of 26".

Such a selection lets you choose from machines with 2-axis capabilities, second spindles, rotary tool milling, Y-axis functionality and deep-hole boring. Because Mazak provides the most versatile and productive turning centers on the market, it's easy to find a solution that meets your exact requirements, so you can be the most competitive and profitable shop around.

ALL-NEW QUICK TURN UNIVERSAL SERIES

While simple in their design, these high-quality, small-footprint machines feature innovative technologies that bring maximum efficiency and value to precision small parts production. Each QTU model has a special turret design that offers multiple tool configurations. And depending on machine type, this series employs either a MATRIX NEXUS 2 or SMART CNC control.

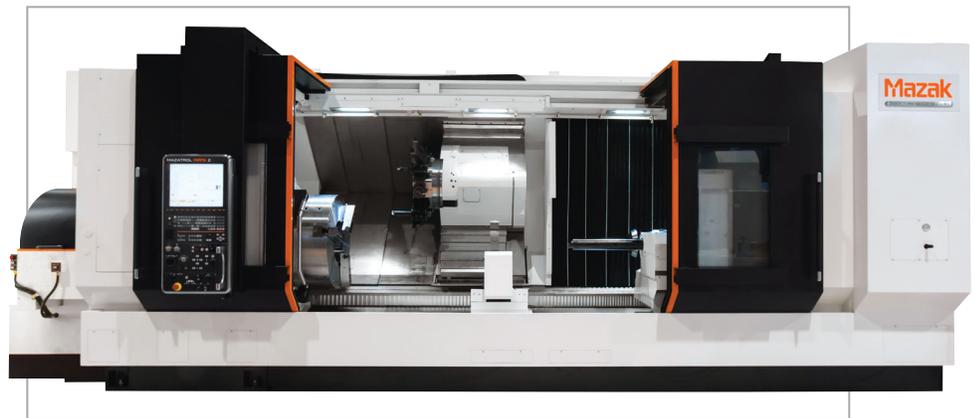


QUICK TURN SMART SERIES

Perfect for processing small and medium-sized parts, these small-footprint turning centers offer high performance, dependability and value. Equipped with Mazak's SMART CNC, QTS machines provide both EIA/ISO format program codes and conversational programming that make for easy operation and production flexibility on the shop floor.

QUICK TURN NEXUS SERIES

Not only is this series the largest of the three Mazak lines, it is also the most versatile on the market today. These machines are fast, powerful and precise and encompass small to large part production. Models within this series either feature a MATRIX NEXUS or MATRIX 2 CNC, which are both user-friendly and enhance machine performance.



Product images are for illustration purposes only and may not be an exact representation of the product. Mazak reserves the right to change product images and specifications at any time without notice.



BETTER SAFE THAN SORRY

Machine downtime is never a good thing, especially when it's preventable. That's why it's important to change your Mazak machine's MRJ-2 batteries approximately every two years.

MRJ-2 drives, which contain universal 3.6-volt batteries, control turrets and tailstocks on turning centers and ATC arms and tool magazines on machining centers. If one of these batteries goes dead unexpectedly, it can wreak havoc on your operations, from excessive downtime to information loss.

To avoid this major inconvenience, it's a good idea to change both MRJ-2 batteries at the same time during regularly scheduled intervals as well as back up your parameters. We keep MRJ-2 batteries in stock and can help you with their replacement. However, if you have an authorized electrical technician on staff, in-house battery replacement is simple, quick and safe when following these 10 steps

1. Power down the machine, including the main breaker.
2. Open the machine's electrical cabinet and locate the safety switch at the top.
3. Pull the safety switch inward until it makes a click sound. This allows the machine to operate with the electrical door open.
4. Fully power up the machine, as battery replacement occurs while the machine is running.
5. Locate the MRJ-2 drive in the electrical cabinet. It's approximately 3.5" wide and 6" tall with a smoke glass cover on its top right corner. The battery sits underneath the cover and has red and black wires with a plastic clip. The drive should be labeled by axis. If not, refer to the machine's electric circuit diagrams manual.
6. Trace the wires to the clip, unhook the clip and remove the battery.
7. Install a new battery in the same configuration.
8. Power down the machine, including the main breaker.
9. Close the machine's electrical cabinet door to reset the safety switch.
10. Power up the machine and verify its alarms.



*If you have questions about MRJ-2 battery replacement in Mazak machines with MATRIX or FUSION controls, or forget to replace your batteries and get a machine alarm, please **contact our support staff at 317.845.5588.***



SMOOTH TECHNOLOGY ADVANCES MACHINE PERFORMANCE

WITH THE UNVEILING OF ITS NEW SMOOTH TECHNOLOGY AT IMTS 2014, Mazak established a dramatic evolution in machine tool performance that spans the entire part-production landscape, from programming and setup to metal removal operations to automation to monitoring/data collection and transfer.

Key elements of the technology include the latest MAZATROL SmoothX CNC as well as new machine hardware and servo systems. Every function of the CNC addresses real-world issues and customer input. Furthermore, its functionality and ergonomics make it the industry's fastest and most progressive machine tool control.

Find the SmoothX CNC on Mazak Multi-Tasking machines this spring!



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