

[<Back](#)[Print](#)

# Productivity in Motion



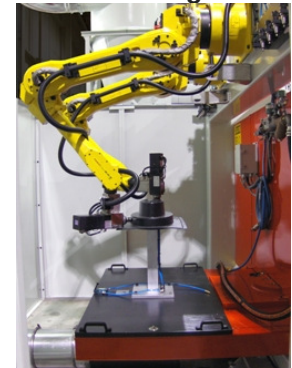
KMT Robotic Solutions' Quarterly eNewsletter

March 2009

## Articles:

- [High Volume Large Part Trimming with the RoboTrim® RT-1202](#)
- [Have Quick Turn Prototype Part Trimming Needs? KMT can help!](#)
- [How your next System could require less Floor Space](#)
- [KMT announces local support for manufacturers in Brazil & Argentina](#)
- [KMT Training Special Offer Ends Soon!](#)
- [Ask the Experts: KMT Answers your Technical Questions](#)

### Routing



## High Volume Large Part Trimming with the RoboTrim® RT-1202

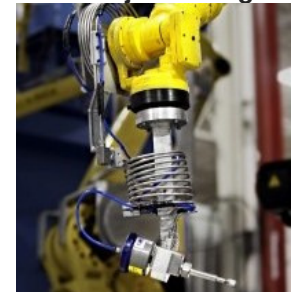


KMT's RoboTrim RT-1202 is a cost-effective, turnkey robotic router trimming system that provides plastics and composite manufacturers with up to 75 percent higher throughput than traditional 5-axis CNC's.

"The system's dual position rotating table combined with dual AccuTrim® R-110 robots results in a high throughput system capable of trimming thermoformed plastic, fiberglass and composite parts that are too large to be processed on a RoboTrim RT-1002," said Paul Schuch, Routing Sales Manager. The part sizes accommodated in the RT-1202 can be up to 10 feet long.

To learn more about the RoboTrim RT-1202, [please click here](#).

### Waterjet Cutting



## Have Quick Turn Prototype Part Trimming Needs? KMT can help!



KMT's Process Solution Center (PSC) located in Auburn Hills, MI has the ability to use a variety of robotic trimming solutions to assist you on quick-turn prototyping and small batch runs (think about your Service Parts requirements). Plastics, Fabrics, Rubber, Composites, Carbon Fiber - KMT can do them all. KMT can build part fixtures, program the robots to your trimming requirements, and provide the operators to produce the parts. Many of our clients regularly use KMT's resources in this manner.

KMT can help you with your quick turn prototyping needs.

[Ask us!](#)

### Laser



### Knife

## How your next System could require less Floor Space

FANUC's R-30iA Robot Controller now has a new software-based emergency stop system using dual processors called Dual Check Safety (DCS). It complies with the Control Reliable specifications set forth in the RIA

(Robot Industry Association) Safety Standards. These are the safety standards that are applied to systems built by KMT Robotic Solutions. This new software based solution allows the robot to be programmed so that its reach is restricted to a smaller area. In some cases, this allows the guards around the robot to be located more closely to the robot, reducing the floor space required for your system.

If you have questions on how DCS can reduce your system floor space needs, contact KMT at [robotic.na@kmtgroup.com](mailto:robotic.na@kmtgroup.com).

### KMT announces local support for manufacturers in Brazil and Argentina

KMT Robotic Solutions now has a Sales Representative located in Rio de Janeiro, dedicated to support of customers in Brazil and Argentina. Our new Portuguese language website can be found at <http://www.kmtrobotics.com.br/>



### KMT Training Special Offer Ends Soon!



Now is a great time to brush up the robot programming and maintenance skills tool box! KMT Robotic Solutions is offering the following specials for each of its regularly scheduled training courses:

Buy (1) 5-Day Class, get (1) 5-Day Class at Half Price  
OR

Buy (1) 3-Day Class, get (1) 3-Day Class at Half Price

Offer valid with purchase order/paid seats only. Half-off training credits earned in association with this offer must be used within 60 days of completing the initial, regularly priced class. This offer is not valid in combination with any other offers.

Click [here](#) to view the training schedule or to enroll online. If you have any questions or would like additional information, please contact [Scott Blaylock](#), KMT's Training Coordinator. This offer valid through April 1, 2009.

### Ask the Experts: KMT Answers your Technical Questions

Q: Why would I spend the extra money to buy diamond orifices for my Waterjet Trimming Nozzle when sapphire orifices are so cheap?

A: It is typical for customers to get thousands of hours of life with diamond orifices versus 50-100 hours with sapphire orifices. This is because there can be debris passing through the system that may cause irreparable damage to a sapphire and which may only clog a diamond orifice. Upon removing the debris, the diamond can typically be returned to service for many more hours of production.

Q: After I replaced the orifice on my R-J3 M-16 waterjet robot, it posted a SRVO-038 Pulse Mismatch alarm, when I finally cleared the alarm, I got a SRVO-027 Robot Not Mastered. I don't know what could have happened to cause my robot to loose mastering. Should I zero axis master it?

A. NO, DO NOT RE-MASTER YOUR ROBOT!

The pulse mismatch alarm was caused because the robot mechanical unit moved when you replaced the orifice. The J5 brake is very small and when you combine the length of the end of arm tool and the length of you



Welding



Material Handling



Dispensing



wrench, there is just too much leverage for that brake to hold the robots position. You can avoid this by using a smaller wrench and torque the nozzle nut to spec. Basically, when you powered up the robot controller it noticed that the robot mechanical unit was in a different location than what it was in when you turned the power off. So now, the robot for lack of better terms, "is confused". It doesn't know whether it should rely on its memory, or what the mechanical units SPC is telling it. KMT has a very simple procedure for correcting this. For further assistance and a copy of this procedure, Contact the KMT Robotic Solutions service group at 248-829-2800.

**KMT Robotic Solutions provides easy-to-use,  
flexible automation systems that improve productivity,  
increase safety and maximize quality.**

Email: [robotic.na@kmtgroup.com](mailto:robotic.na@kmtgroup.com) (North America)   [robotic.eu@kmtgroup.com](mailto:robotic.eu@kmtgroup.com) (Europe)  
Web: [www.kmtgroup.com](http://www.kmtgroup.com)

North America:  
1255 Harmon Road  
Auburn Hills, MI 48326  
USA

Europe:  
V. Industrigatan 3B  
372 25 Ronneby  
SWEDEN

**[Forward email](#)**

✉ **SafeUnsubscribe®**

This email was sent to [jeremy.sweet@kmtgroup.com](mailto:jeremy.sweet@kmtgroup.com) by [robotic.na@kmtgroup.com](mailto:robotic.na@kmtgroup.com).  
[Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Email Marketing by



KMT Robotic Solutions | 1255 Harmon Road | Auburn Hills | MI | 48326