

RPT – The Leader in Flexible Robotic Trimming Solutions

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New JetTool™ Standard System: Fixed Table A-Frame Model



The new FT Series line of fixed table waterjet trimming systems features one or two wall-mounted RPT AccuTrim™ WJ-44 robots that can accommodate part sizes of up to 84" x 72" x 20" (single-robot configuration) or 96" x 72" x 20" (dual-robot configuration).* The new FT Series systems are specifically designed to trim automotive and non-woven fabrics as well as plastics and polypropylene.

"We're excited to introduce yet another standard RPT system to the waterjet trimming market," said RPT CEO Chuck Russo. "The new system features the increased productivity, flexibility and reliability that customers have come to expect from RPT at a price that smaller businesses can more easily afford."

*Part size capability does depend on part geometry and trimming requirements. Contact RPT for assistance in selecting the correct system for your needs.

For more information about the JetTool™ Single Robot A-Frame system, send an inquiry to solutions@rpt.net.

To see more RPT standard systems, visit www.rpt.net/waterjet/home.htm.

New FANUC Controller Enhances Motion and Improves Cycle Time

RPT is pleased to announce that the latest generation of FANUC Robot Controllers is now available in RPT systems.

RPT has worked extensively with FANUC Robotics to incorporate the benefits of the new controller into RPT's family of AccuTrim™ waterjet and router trimming robots. The new Constant Path feature reduces programming time by maintaining path at all speeds during programming. The improved motion system also results in faster cycle times in path-intensive applications and results in more parts per hour. The R-J3iC controller now features two high performance Ethernet ports to enhance connectivity, a USB port and PCMCIA slot for storage device interface, split screen teach pendant editing capability, improved HOLD/STOP/RESUME functionality and many others. FANUC Robotics creates outstanding products for the industrial marketplace and RPT is excited to make this new controller available to its customers!



For more information on FANUC's new R-J3iC robot controller, send an inquiry to solutions@rpt.net

Spindle Maintenance: The Key to Routing System Uptime

RPT can't emphasize enough the importance of spindle maintenance to the uptime of RPT router trimming systems.



Routing



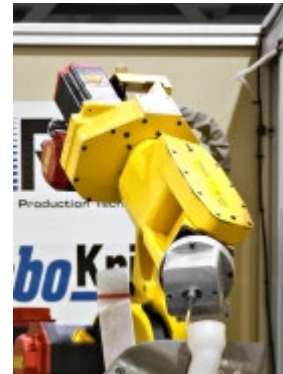
Waterjet



Laser



Knife



Welding

The following steps can be taken to significantly improve the life and productivity of your routing spindles:

- Pay attention to the balance of your router tooling set-ups on spindles with tool change capability.
- Balanced tool holders and cutters are critical to spindle life.
- Develop a system to track the wear of your cutters.
- Determining whether you get a consistent number of parts trimmed on each cutter can lead to a better understanding of process variance, how to save money getting cutters reconditioned and how to protect the spindle bearings from excess loads.
- Follow the warm-up recommendations for your particular spindle.
- Make sure the cutters you're using are the correct size and length for the spindle
- Since it is recommended that spindle bearings be rebuilt after 5,000 hours, it is helpful to track spindle run time

RPT can help you develop a maintenance plan for your cutters and spindles. If you'd like to take advantage of this service, please contact RPT at solutions@rpt.net.

RPT on the Go

Robotic Production Technology will appear in seven tradeshow and conferences in period of two months! Look for us at:

- IMTS 2006 in Chicago, IL from Sept. 6-13
- SPE Automotive Composites Conference in Troy, MI from Sept. 12-14
- 2006 Thermoforming Conference in Nashville, TN from Sept. 16-20
- Automotive TPO Conference in Sterling Heights, MI from Oct. 10-11
- SPE Blowmolding Conference in Troy, MI from Oct. 11-12
- Composites & Polycon 2006 in St. Louis, MO from Oct. 18-20
- IBEX 2006 in Miami, FL from Nov. 1-3

For more information visit www.rpt.net/shows.htm

Waterjet Technical Services News

RPT now offers its abrasive waterjet customers the many benefits of H2O Jet's new Integral Diamond Eductor (IDE). The IDE's diamond orifice is virtually indestructible and never needs to be replaced. Traditional sapphire and ruby orifices require replacement on a regular basis, leading to increased cost and downtime. The IDE's orifice is integrated into the cutting head so there is no chance of misalignment – this means maximum accuracy and cut quality. Sapphire or ruby orifice assemblies are separate from the cutting head causing misalignment of the waterjet stream. The H2O Jet Integral Diamond Eductor has no orifice mount. This eliminates the need to change blown-out orifices (a common occurrence with industry standard ruby and sapphire orifices) and results in faster cutting speeds, longer mixing tube life and superior edge quality.



For more information about the H2O Jet Integral Diamond Eductor, e-mail James Wogan, Jr., waterjet technical services manager, at james.woganjr@rpt.net

Last-Minute Training Options

RPT's training classes are typically filled 30 days or more in advance. However, new options are now available for customers that need to be trained right away: RPT now has the ability to add a second-shift training class from 3pm to 11pm if there are a minimum of three students.



RPT trainers can come to your facility. This saves time and allows the students to be trained on their own equipment. If you're interested in RPT's on-site training, please request a [quote](#).



Material Handling



Visit www.rpt.net/training for current class schedules, availability, registration and travel information.

RPT's Legendary Customer Service

RPT's legendary Customer Service technicians pride themselves on their rapid response. They've earned the confidence of world-class robotic manufacturers that have authorized RPT to provide total support for their products. RPT is the largest North American Quality Integrator for FANUC Robotics.

To contact RPT's Service Department, visit www.rpt.net/service.htm or call Service Manager Bill Heslip at 248-829-2870.

New Success Story: Industrial Models

Industrial Models, Inc., located in Gainesville, Texas, specializes in the manufacture of vacuum-formed plastics, open mold fiberglass and resin transfer-molded parts for the heavy trucking industry. The company was looking to automate the trimming of its vacuum-formed parts in hopes of improving quality and increasing production capacity and overall competitiveness.



Industrial Models visited RPT's booth at the 2004 Society of Plastics Engineering Conference and decided that the RoboTrim™ RT-1000 router trimming system was faster and more flexible than the CNC's they've investigated. Since the system was installed in May of 2005, quality has improved, production increased by 60 percent, and Industrial Models was able to provide its customers with more competitive quotes.

"We lost some business when we quoted complicated, hard-to-fixture parts with the hand trimming process," said Ben Lyson, Industrial Models product manager. "In the future, we'll be more cost effective and win more bids since our process is predictable now."

For more information on how RPT helped Industrial Models, [click here](#).

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

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