

RPT – We put the "expert" in expertise when it comes to plastic, fabric & composite trimming and routing

Happy Holidays!

RPT is renewing its efforts to stay in touch with its valued customers with this new eNewsletter format. We hope that you find information of interest to you in these quarterly newsletters. We want to take this opportunity to thank our current customers for their business and to wish everyone a Happy Holiday season. We look forward to continuing our work with you in 2006.

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First in RPT's New Line of Standard Systems: RoboTrim™ RT-1000



Robotic Production Technology's RoboTrim™ RT-1000 system is a pre-engineered, flexible router trimming and knife deflashing solution designed specifically for thermoformers, blow molders, rotational molders and plastic injection molders. The RT-1000's wall-mounted robot can reach a wide variety of part sizes, while the servo-controlled rotating tables allow for two fixtures to alternate between the inside and outside of the work cell. Such technologies provide flexibility, increased uptime, and 50 percent higher throughput than traditional 5-axis CNC trimming machines.

[RoboTrim™ RT-1000](#)

RPT and Fanuc Robotics America, Inc. Continue Partnership

Robotic Production Technology recently renewed its agreement to be Fanuc's exclusive partner for routing and waterjet cutting automation for non-metallic materials in the Americas. The agreement represents the continuation of a long-standing relationship that began in the 1980's.

[Press Release](#)

TrimPro™ Software Saves Time and Money



RPT recently developed new offline CAD-to-path programming and simulation software. Users can import unique CAD models of parts and create a simulated work cell complete with robots, part transfer devices and obstacles. TrimPro™ allows customers to create programs offline and to simulate and optimize the cycle times of existing work cells. This can be done without the time and costs of developing a prototype or bringing a system down during production. Contact RPT today to schedule a demonstration.

[More Information](#)

Water Jet Technical Services – How Can We Help You?



RPT's water jet technical services team (WJTS) helps customers lower operating costs and reduce downtime. We help current water jet users by providing lower-cost repairs and teaching maintenance personnel the latest machine repair techniques. RPT stocks intensifier parts, coils and high-pressure tubing and fittings that have been proven over the years to perform as well as or better than OEM parts.

High-Load Hydraulic Piston

Don't risk damaging the intensifier! RPT and H₂O Jet have designed a new hydraulic piston for its customers' Flow International Intensifiers. The new design keeps hydraulic fluid cooler, resulting in longer high-pressure seal life. With the old design, the piston scrapes the cylinder wall as the seals begin to wear and customers risk damaging the most expensive part of the intensifier. The new seal arrangement prevents the piston from rolling over and scraping the hydraulic cylinder wall.

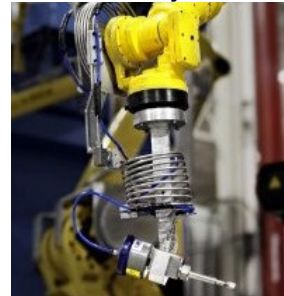
Short Stop Filter

Debris coming downstream can cause on/off valves to fail at different cycle counts, diamonds to get clogged and sapphires to blow out resulting in scrapped parts. RPT and H₂O Jet have

Routing



Waterjet



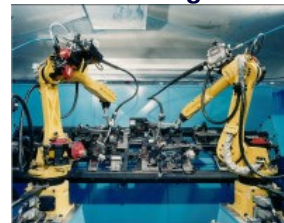
Laser



Knife



Welding



Material Handling



partnered again to design the robust, reusable Short Stop Filter. The filter mounts to the back side of a coned insert to filter water as it enters the on/off valve. With the Short Stop filter, coils can be replaced and maintenance can be performed without having to worry about damaged valves or plugged diamonds.

Contact the WJTS team today:

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RPT and Robot Technology Partnership



Robotic Production Technology and Robot Technology of Kleinostheim, Germany, have signed an exclusive partnership designating RPT the only U.S. and Canadian distributor of its pre-engineered laser systems. The new 600-watt laser robot has double the power and cutting speeds of its predecessor and uses a new scanning head to cut features quickly and accurately. Contact RPT to find out more about these powerful, cost-effective laser systems.

[RPT Laser Systems Website](#)

Legendary Customer Service

RPT's factory-trained service technicians pride themselves on their rapid response. They've earned the confidence of world-class robotic manufacturers who've authorized RPT to provide total support for their products. RPT is the largest North American Quality Robotic Integrator for FANUC Robotics.

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Training

The key to successful automation implementation is proper training on both the robot and process. To continue to provide its customers with the most comprehensive training in the industry, RPT provides personalized robot and application training at either the customer site or in-house at its advanced training center.

To view upcoming class schedules and course offerings or to request an information package, please visit www.rpt.net/training.htm or contact:

Tracy Dreslinski
(248) 829-2828
training@rpt.net

Case Studies



RPT helped Factory Five Racing, Inc. reduce part processing time by 95 percent and trimming defects by more than 200 percent. Factory Five, a leading automotive kit-car manufacturer, previously hand-trimmed the gel coat and fiberglass reinforced plastic kit panels – a slow, imprecise process that took nearly 8 hours to complete.

RPT developed a fully-enclosed robotic router trimming system that featured an M-710iT FANUC robot mounted on an 18-foot overhead rail. The robot was equipped with a high speed electric spindle and interchangeable tools to accommodate each of Factory Five's unique parts. The parts were presented to the robot on interchangeable fixture carts, each equipped with a uniquely coded ID tag read by the robot for accurate program selection. The system also included Cell Finder software, which automatically offset the trimming program to compensate for changes in fixture position.

After implementing the system, the process that once took 7.5 hours to complete now takes just 24 minutes.

To learn more about Factory Five's automation implementation, [click here](#).

Process Solution Center

RPT uses its Process Solution Center to benchmark processes and test prototype and production-ready parts. Send your prototype part to RPT today so we can help you find the most effective automation process to fit your needs.

Need to run short-term or long-term production parts? RPT's Process Solution Center can help. Call 248-289-2800 and ask for the Process Solution Center.

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

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