

From the President's Desk

Looking Ahead in 2010...

It's time to put the economic turmoil of 2009 behind us, and look ahead to a prosperous new year. Litron is committed now, more than ever, to providing the highest quality laser services for the Medical, Aerospace and Industrial markets at competitive prices, while maintaining superior quality standards.

With a new year comes renewed vision and continued growth. Litron is excited to grow with our customers needs, while still maintaining the open, customer centered approach to our everyday business. With that in mind we're in the process of becoming ISO 13485 Certified; are enhancing the facilities with LEAN manufacturing in mind; and continue to train our employees on industry standards and best practices.

We want to thank all of our customers for using Litron as your Laser Services Supplier, and look forward to serving you in the coming year.



Mark Plasse, President

Waves of Change...

What is Litron up to?

- ▶ Look for us at the Interphex Puerto Rico 2010 Trade Show, March 4-5, we'll be at booth 209.
- ▶ We've brought in a new Laser Marking Machine to better accommodate our customers requirements.
- ▶ Our quality control department is working diligently to get Litron ISO 13485 Certified.
- ▶ Our 5-Axis Vertical Machining Center is up and running, and producing parts.

Department Profile:

Peter Gotta, Lead Operator, Open Air Laser Welding...



Peter Gotta, Lead Laser Operator

As Litron's first full time employee, Peter Gotta has been with the company for over 11 years and has proven to be a valuable asset. Peter started out as a laser operator setting up jobs, designing tooling and writing programs for customers projects and has since taken over as the lead operator for the open air laser welding division.

With over twenty-five years of laser and manufacturing experience, Peter brings a high level of technical knowledge to each and every job he works on. As the lead operator this knowledge is passed along to the employees he trains and works with everyday, which in turn creates high quality parts that Litron can be proud of.

Peter says "working within the team environment that Litron has cultivated has been great for myself and our clients, as each part receives the full knowledge of the team. Working with the variety of parts from the Aerospace, Medical and Industrial clients keeps each day interesting and fulfilling." We want to thank Peter for his dedication and years of hard work at Litron.

Customer Spotlight:

MicroCHIPS, Inc.

Pioneers in Responsible Medical Implants

MicroCHIPS, Inc. is pioneering intelligent implanted devices designed to improve the health of millions of people with critical conditions that require careful monitoring and precise therapy.

MicroCHIPS' technologies are being applied to the creation of responsive in-body devices that can sense vital biochemical changes, deliver potent drug therapies, and communicate using wireless technologies.

First developed at the Massachusetts Institute of Technology, the technologies use micro-reservoir arrays to store and protect chemical sensors or potent drugs within the body for extended periods of time. The reservoir arrays are compatible with preprogrammed microprocessors, wireless communications, and sensor feedback loops to provide precise, dynamic control of sensor activation and drug release.

Scott James, MicroCHIPS Senior Mechanical Designer, says, "We needed a laser welding company to develop a hermetic packaging system for our devices that would meet the FDA requirements for a medical implant as well as the functionality needs of our design, and also be reliable and repeatable." Specifically, MicroCHIPS needed Litron's experience and ideas for the initial design concept, and their continued expertise to develop the final design and procedures for assembly, welding, and verification.

Why Litron?

Litron proposed a cost-effective arrangement whereby Litron designers would work with MicroCHIPS designers and conduct a series of welding experiments in order to develop appropriate welding parameters.

Says James, "As we worked together to solve specific problems, Litron encouraged a team environment that fostered creative thinking and helped MicroCHIPS designers to better understand the laser welding process." Litron's experience and expertise helped MicroCHIPS designers determine what was really causing certain problems and make crucial design changes in a timely manner.

The Result

MicroCHIPS was able to develop a robust welding procedure for four very different welds on their implant, and vastly improve the functionality and ease of assembly of the implant design. As they continue to assemble and weld implants, working together with Litron's welding staff, MicroCHIPS designers have been able to refine the welding parameters and the detailed component design. The observations of Litron's welding staff have been crucial in this process improvement. Says James, "I look forward to working with Paul Kowal and his team, and hearing their specific observations regarding our welds. Even more than the specifics, I like the fact that they help me understand the laser welding process and parameters."

This working relationship between Litron and MicroCHIPS ensures the efficient production of advanced precision medical technology—designed to help people with complicated medical conditions lead better lives.

"Litron's staff has always been very friendly and helpful in every way. They actually help our designers understand the laser welding process and parameters so that we can make improvements to this and other designs."

*~Scott James,
MicroCHIPS Senior Mechanical Designer*