

Nadcap™ For Welding Audit Complete

Initial Audit for Nadcap™ for Welding Successful

During the week of June 2, 2014, we completed our initial audit for our Nadcap™ for welding certification. The audit went well, resulting in no major findings. Our final paperwork packet has been submitted for review to the board and we anticipate having our official certification sometime this July.



Litron would like to thank all of our customers for your understanding and patience with our production schedule leading up to and during this time. The requirements put on our production staff were extensive and they worked hard to make sure they met the goals for the audit while keeping our customers programs moving forward.

We would also like to thank our entire staff, especially our quality control department and our open air and hermetic laser services departments for your continued hard work. Going for a new certification can be overwhelming at times and each of you worked diligently along the way. Thank you.

Department Profile



Summer Internships

Another summer is upon us and that means a few more interns will be joining us. This year we've brought on two interns from Western New England University. Erik Carlson who is studying to become a Mechanical Engineer and Emily Klag who is studying to become a Biomedical Engineer.

Erik will be working with the lead process engineer in our feedthru integration department. He will be learning the processes, documentation and machines involved with integrated glass to metal feeds in RF/Microwave packages.

Emily will be working with the process engineers in our laser services division. She will be learning what is involved in running the laser stations, processing the parts and the documentation side of the process.

We welcome you both to Litron and look forward to a productive summer.



Erik Carlson



Emily Klag



Waves of Change



What's going on at Litron?

- Litron presented to the students at Asnuntuck Community College at the end of April, letting them know about our processes and types of workers we look for when hiring.
- We have completed our initial audit for the Nadcap™ for Welding Certification. Our official certification is expected sometime this coming July.
- Michael Chmura, Litron's Laser Services Manager, has joined the Welding Technology Advisory Board at Asnuntuck Community College.
- We have two summer interns from Western New England University working with us this year in our Aerospace and Medical facilities.
- **Please note summer closings:** Litron will be closed Friday July 4th and Monday September 1st in observance of the July 4th and Labor Day holidays respectively. Please plan accordingly.



A More Efficient Approach to Tube Processing

Have You Considered Lasers?

Stamping has been the traditional method of creating intricate cuts in stainless steel tubes used for medical or other precision tube applications. With the growth of the laser industry and creation of specialized cutting systems, the old way of thinking is being turned upside down.



The Benefits...

There are many reasons laser processing is a better alternative than the traditional stamping method. One of the biggest reasons is the lower cost of prototypes. With a traditional stamping operation you have to pay for a die/tool to be made in order to get a prototype made. This can often times run you thousands of dollars for something you may never use again if the application doesn't move forward. With laser processing there is minimal tooling if any to get a few prototypes completed. Even the production tooling for a laser processing application is often several times lower cost than that of a stamping tool.

In addition to the cost savings, laser processing is usually less operator dependent. Where an intricate pattern may take several stamping operations and lots of operator input, with a laser cutting system a tube can have all features cut with a single setup, leaving only a chemical cleaning process at the end.

Simple to Complex....

From the simple to the complex, it's possible with laser processing. Hole patterns, cut to length, suture tabs, sharp tips, "teeth", and flexible cut patterns are just a few of the cuts we have performed over the years. We can work with very thin wall (.002" thickness) to relatively thick wall (.080" thickness) with relative ease in stainless steel. Other materials can also be processed using a laser, but typical applications for medical purposes are in stainless steel.



Flexible Cuts



Hole Drilling



Sharp Tips



"Teeth"



Formed Tabs

Find Out More....

Do you have an application that you think could be well suited for laser processing? Let us know. Our staff will work with you on developing a prototype to help prove out the process. We can recommend design changes for manufacturability and walk you through the major differences between running tubes through a stamping house and running them through a laser processing operation. Litron is capable of producing small batch/prototype runs as well as thousands of pieces a day to meet the demands of your product.