

Nadcap™ Certification

Litron's Plating Line is Officially Nadcap™ Certified

At the end of April, beginning of May, Litron went through an extensive audit to obtain our Nadcap™ certification for the Aerospace division. The auditor looked at both the chemical processing line for nickel, gold and chemical conversion coating as well as our quality management system during the four day audit.

Thanks to the hard work of Litron's quality assurance and quality control group as well as the entire staff at both facilities, we passed the audit with flying colors. We now have a fully accredited Nadcap™ plating line to ensure our customers are receiving the highest level of quality.

In addition, our quality system for the Aerospace division will now be running under the Aerospace Quality System (AQS), which helps to bolster our documentation efforts and moves use closer to the AS9100 Quality Standard which we plan to work towards for 2014.

Thank you to all of the staff at Litron for your hard work and dedication!



For Chemical Processing

Waves of Change

What's going on at Litron?

- ▶ We've added a 4,000 WATT laser work cell to our line-up to expand our capabilities for cutting and welding.
- ▶ AngelMed is the highlighted customer this quarter, see page two for the full write-up.
- ▶ We've completed our Nadcap™ audit and our plating line has been officially certified for Nadcap™ processing.
- ▶ A 13 year veteran of Litron, Paul Kowal our Hermetics Manager is our featured department profile this quarter.
- ▶ We're quickly approaching the MD&M Minneapolis show in October, keep an eye out for details.

Department Profile

Paul Kowal - Laser Hermetic Sealing Manager



Paul Kowal
Hermetics Manager
Laser Sealing

Paul Kowal has been with Litron for almost thirteen years working in our laser hermetic sealing department. Whether it's an electronic package for military/aerospace applications or an implantable medical device Paul has experience sealing it all.

"Over the years I've had the pleasure of watching Litron grow from a small shop with a few people to our current two building, forty-five plus personnel. It's been fun to watch the company diversify and grow and I appreciate the opportunities I've been given to grow within the organization as well".

During Paul's tenure he has been trained and now trains his staff on proper ESD handling procedures and hermetic welding for these highly sensitive devices. He has also gone through government clearance allowing him to work on secret level programs.

Litron would like to thank Paul for his years of service and support to our customers. We appreciate the hard work and dedication that you've shown over the years and look forward to having you in our hermetics department for many years to come.

Customer Spotlight

Angel Medical Systems (AngelMed)

An innovator in today's cardiac medical device arena Angel Medical Systems, Inc. of Shrewsbury NJ, develops cardiac medical devices. It offers the AngelMed Guardian system, an implantable cardiac monitoring and alerting system, designed to detect and warn patients of acute episodes of cardiac ischemia ("heart attacks").

The AngelMed Guardian® Implantable Medical Device (IMD) is an implantable programmable device designed to monitor the patient's electrogram. The device vibrates to warn the patient of alarms and alerts, and stores electrogram signals and other data. The IMD is one of the primary components of the AngelMed Guardian system.

The Search for a New Vendor

Steve Johnson, VP Research & Development at Angel Medical Systems said "Our previous manufacturer was acquired and consequently changed their focus from external OEM customers to internal customers."

"We searched around for a new contract manufacturer that could provide all the manufacturing services required to build a class 3 implantable medical device. We needed a company with experience and preferred a company that was neither too large nor too small and, ideally, located reasonably close to our operations. After a thorough search, we found Litron and we are confident we've chosen the right vendor for the job" says Johnson.

Developing a Strong Relationship

As with anything that is done well, it doesn't happen overnight. Throughout the past two years Litron and AngelMed have been working together to ensure the transition from the old manufacturer to Litron was as seamless as possible. "The process was a lengthy one because of the stringent regulatory requirements of a change in the manufacturer of our device" said Johnson. "Litron has demonstrated a willingness to get the job done well. They have gone above and beyond to work through the myriad of details necessary to develop and validate the many manufacturing / processing steps needed to manufacture a device such as ours."

"Working with AngelMed to transition the manufacturing of the device and qualify all of the processes at our facility has allowed Litron the opportunity to get an intimate knowledge of the device and each component being used within it" says Mike Chmura, Laser Services and Medical Device Assembly Manager at Litron. "AngelMed has been more than willing to educate us on their device so we have a better connection with the importance of each component and step of the process."

"AngelMed has been a great experience for my lead engineer on the project, Chris Corradino. He's worked on several medical device applications from a documentation perspective prior to the AngelMed device coming through, and now has had the opportunity to lead this project from start to finish with the support of Litron's staff" says Chmura.

Reaching Critical Milestones

With a large project like this and a time-line that stretches out years into production, it's important to recognize some of the "smaller" milestones. The week of March 11, 2013 AngelMed received Conditional Approval from the FDA to use the Litron built devices in their clinical studies. In addition, on May 9, 2013 the first Litron built AngelMed device was implanted. Congratulations to both AngelMed and Litron on a successful collaboration.



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*Steve Johnson, Vice President,
Research & Development
Angel Medical Systems, Inc.*