

## Litron Welcomes...

*Society of Women Engineers April 5, 2014*

On April 5, 2014, some members from region F of the Society of Women Engineers (SWE) will be visiting Litron's facilities to take a tour and get a better understanding of our capabilities and manufacturing service offerings to the Medical and Aerospace markets. Region F of SWE is holding their annual conference from April 4 - April 6, 2014, and is devoting part of their schedule to visiting local manufacturing facilities in the Springfield, MA area.



## Society of Women Engineers

As stated on their website "The Society of Women Engineers (SWE), founded in 1950, is a nonprofit educational and service organization that helps women achieve their full potential as engineers and leaders. SWE is the driving force that establishes engineering as a highly desirable career aspiration for women." (<http://regionf.swe.org>)

We would like to say thank you to SWE for choosing Litron to be part of your conference schedule and we hope you find your visit to be informative.

## Department Profile



*Christopher Young - Process Engineer Package Fab.*

Having grown up the son of a machine shop owner, and working in and around the machining industry his whole life, Christopher came to Litron with a wealth of knowledge and experience. From his CNC programming and machining capabilities to his background with internal audit training through a JET training program, Christopher has become an integral part of our engineering department for our package fabrication division.



*Christopher Young*  
Process Engineer

"I am grateful to have had the opportunity to watch this department grow so substantially over such a short period of time. We have a great group of talented individuals that allows us to offer our customers the best possible aerospace components. I look forward to working with Litron in the future to see just how far we can grow. I am proud to have been a part of the journey thus far" says Christopher.



Litron would like to thank you for your hard work and dedication Christopher.

## Waves of Change



*What's going on at Litron?*

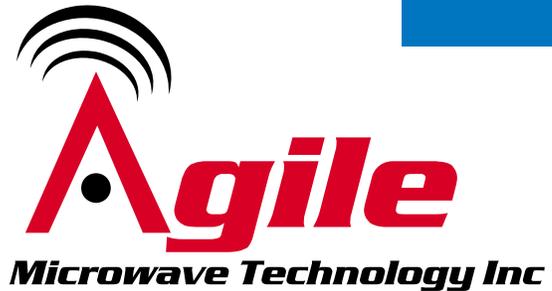
- Litron welcomes the Society of Women Engineers (SWE), April 5, 2014 for a visit and tour of our facilities.
- Preparations continue for our Nadcap™ For Welding Certification Audit. We are still on pace for our audit in June 2014.
- Christopher Young, Process Engineer in our Package Fabrication Division has been featured in our Department Spotlight.
- Be sure to check out the article on Agile Microwave who has been featured in our Client Spotlight on page 2.
- Brendan Fullam will be presenting at the University of Virginia Laser in Manufacturing Symposium this June. Check out next quarters newsletter for highlights from the presentation.
- Our Quality Assurance and Plating Lab teams have passed our yearly surveillance audit for Nadcap™ For Chemical Processing.



# Agile Microwave Technology Inc.

## Higher Performance RF and Microwave Products

Agile Microwave Technology Inc designs, develops and manufactures Integrated RF/Microwave modules and Broadband Amplifiers for the Aerospace, Military and Hi-Rel commercial markets. They are a 2-year-old startup, however their founders have over 100 years combined technical and management experience. Agile Microwave Technology Inc. ([www.agilemwt.com](http://www.agilemwt.com)) provides higher performance RF and Microwave products at lower cost through innovative engineering.



Agile needs to use Aluminum material due to its thermal, mass and cost advantages for RF power amplifiers. These modules also have a customer requirement to be hermetic for long term reliability in commercial as well as in Hi-Rel aerospace applications. Agile used a multi vendor approach before using Litron, which went as follows:

- A machine shop fabricated the housings and the covers
  - That machine shop sent it out to another vendor for Gold over Nickel plating
  - Came back to machine shop to perform post machining to remove plating from the sealing area
- Agile purchased hermetic feedthroughs from another vendor
- Agile sent the feeds to be installed in the housings and perform open hermetic testing
- A completed RF module is sent out to a vendor for laser sealing the cover and Gross/Fine leak testing

This was very difficult to manage in terms of quality and lead times and allowed for errors to occur easily. Agile had instances where the final module was failing hermetic sealing and each vendor in the supply chain was blaming the other vendors or Agile's cover design.

Litron offered Agile a "One Stop Solution" from start to finish. Since Litron has "In-house" CNC machine shop, Plating and laser sealing capabilities we could handle all of Agile's needs in one place. We took on the responsibility to buy all the feeds and Heli-Coils® in order to provide Agile a complete solution. Agile received a complete custom housing with plating, installed feedthroughs & Heli-Coils®. "The best part was that Litron re-designed our RF Module cover to optimize the laser-sealing process without requiring holding fixtures" said Jay Chudasama, GM/Dir Engineering, Agile Microwave Technology Inc.

"Litron staff was instrumental in our success; they were very knowledgeable, courteous, always listened to our needs, made suggestions to improve our drawings, developed a custom plan and were very easy to work with. Litron always followed up with questions or clarification and kept us updated with regular status of the project. In today's 'do more with less mentality', it's rare to find a company that provides schedule updates without being asked" said Jay.

"Our collaboration was extremely successful and is still ongoing; in fact the second build went so smoothly that Agile's engineering team was not even involved. Litron allowed Agile to free up their engineering resources, which is a huge advantage in today's fast moving environment."

"The service, performance and communication is outstanding, I couldn't ask for better quality. Litron makes my job easier", said Jay. "On our last build we had some issues with manufacturing equipment and required an additional 3 to 4 days to build our modules. I requested that Litron try to expedite the laser sealing cycle for this build and make up the 3 days lost. I was extremely happy to say that they made it happen. We were able to ship our RF modules on schedule, which is extremely important for a startup company."

Litron would like to thank Agile for choosing us as their manufacturing partner and taking the time to understand the value in having a turn-key vendor who works with their clients from start to finish. We look forward to many more years of manufacturing collaboration with Agile.