About Milwaukee Electronics

Milwaukee Electronics designs and manufactures custom circuit board assemblies for the medical, transportation, military, logistics and a variety of other industries. The company has ISO 13485 medical manufacturing capability in its Portland plant.

The Company operates over 135,000 square feet of manufacturing in Portland, Oregon; Milwaukee, Wisconsin; EMS and product design and engineering services, it offers PCB layout and DFM services through its San Diego PCB Design business unit and quick -turn prototyping and on-demand assembly through its Screaming Circuits business unit.

Getting Ahead of the Supply Chain with Custom Purchasing Software

Milwaukee Electronics' IT team is helping reduce workloads in material quoting and purchasing utilizing a combination of internally-developed and off-the-shelf software.

"Different business units have different needs. We've developed SuperQuoter internally for Screaming Circuits to address some of the unique needs of that business. We are deploying CalcuQuote, which is a third partydeveloped quoting tool for our

EMS business," said Justin Moulton, Director of Systems and Technology.

SuperQuoter is online and integrated with



Automating repetitive tasks, enables the Purchasing team to better focus on critical issues.

10 different suppliers via an API. When an order is received by Screaming Circuits,

(Continued on page 2)

Message from Rick

Attacking Industry Challenges Head On

We continue to focus on aligning our organization with the business challenges all EMS companies are currently facing. On the materials front, we've enhanced our IT tools to automate repetitive Rick McClain quoting and



price/availability confirmation tasks, enabling our team to be more responsive across both our Screaming Circuits and EMS divisions. We've initiated an Executive Development Program designed to improve our team's skills and broaden succession planning.

We also recognize that in this business environment many companies are reluctant to fill out traditional customer satisfaction surveys because high marks confirm acceptance of material-related service insufficiencies and low marks blame personnel for issues that were not in their control. That said, customer feedback is critical in ensuring we are focused on improving areas of insufficiency that we do control so we've changed our EMS survey format this year. A third-party consultant will call select EMS customer contacts directly for a short survey of past year's performance and areas where improvement is needed. We will use automated third-party surveys for a broader range of contacts for our Screaming Circuits customers.

On a positive note, we've added a defense

-related customer that will ramp to production next quarter thanks to close collaboration among the customer and our teams in pipelining materials during their product development phase. While material availability remains challenging, new product introductions are possible with careful planning early in the process.

We are committed to not only navigating the current business environment, but also to innovating in ways that improve responsiveness and the quality of our solutions. If you receive a request for a survey call, we'd appreciate it if you would schedule time to provide the valuable feedback we need to fine-tune our improvement focus.

Rick McClain President & COO



Building a Strong Future with Employee Investment

While Milwaukee Electronics has long run Leadership Development Team (LDT) programs, it is now broadening that focus to employees who are at an earlier point in their career with an Executive Development Program (EDP) focused on targeting mid-career managers.

"This EDP is something that I am passionate about for a many reasons. For our company, I want to build a path forward for some of our brightest talents. For each person who participates, the opportunity to grow means a chance to improve the lives of themselves and their families," said

The EDP will involve participants in middle or senior manager level positions, and give them additional skills and training to prepare them for success in executive positions. The program's primary goals



The EDP will combine personal assessments with training and teambased projects.

include:

- Improve bench strength / talent development
- Strengthen corporate culture
- Improve retention of key managers
- Improve cross pollination between business units and locations.

There are three components to program: individual development, succession planning/organizational development and team development. The EDP team will meet annually for training and team building activities with first meeting set for Oct. 11-12 in Oregon. There will also be both individual assignments and team projects ongoing during each year.

This year's participants are: the Tecate Production Manager, a Tecate Program Manager, the Portland Materials Manager, the Portland facility Controller, the MKE EMS General Manager, the VP Engineering, the India General Manager, the Director Software Development, and the Director Enterprise Systems.

Improvements

(Continued from page 1)

Jered Stoehr, CEO.

the bill of material (BOM) is scrubbed and then quoted with the sources most appropriate for the timeframe selected. Once the customer makes a decision, the tool automatically refreshes material prices and availability, and material is purchased following customer approval.

The EMS team is using the QuoteCQ and ShopCQ modules in Cal-Q-Quote. The Shop CQ module is in proof of concept and will go live in Q4 2022. The goal with ShopCQ is to better automate the pricing accuracy and purchasing process than is possible via the purchasing module in Milwaukee Electronics' ERP system. Currently ShopCQ runs independently of the ERP system. The ERP system runs MRP nightly and that generates the demand that ShopCQ purchases to. ShopCQ purchases to customer's approved material

list (AML) and will automatically check stock and switch to an alternate source if the first choice is unavailable. ShopCQ also does API stock checks to monitor pricing accuracy. When fully integrated by the end of the year, ShopCQ will work seamlessly with the ERP system, automating repetitive buyer tasks and updating the system when PO changes are issued by suppliers, so that buyers can focus on managing demand exception issues.

"We used to say pricing was good for 60 days. Today, we can't give 30-day pricing. When a customer accepts an order you have to validate pricing again immediately because it is changing so quickly. Our goal is to improve both our customer and buyer experience by automating repetitive processes to improve response time while reducing buyer workload," said Gary DeGrave, Jr., Corporate Materials Director.

Superquoter and ShopCQ are already reducing situations where POs are rejected by suppliers for incorrect pricing. The automated system updates are also eliminating human error and reducing rework.

The quoting and purchasing upgrades represent the first phase of much larger integration strategy that will eventually integrate ERP, quoting and supply chain systems for enterprise management and shop floor equipment optimization, and the FactoryLogix manufacturing execution system (MES) for factory management.



Milwaukee Electronics Wins Defense-Related Contract

Milwaukee Electronics was recently awarded a defense-related contract that involves 20 unique printed circuit boards assemblies (PCBAs). Production will be done in the Portland facility. NPI is in process and the project is scheduled to be in

production in Q4 2022.

"This award is a testament to the strength of our team's manufacturing processes and strong focus on ITAR compliance. We were able to accomplish this schedule by pipelining materials prior to final design packages by collaborating with our customer on this effort. We look forward to providing a strong 'Made in USA' solution for this customer," said Rick McClain, President & COO.

Recent Articles

Milwaukee Electronics was recently featured in two publications: Designing Electronics North America and Electronics Sourcing North America. Click the image below to read each article. Both articles start on page 24.





Newsletter Contact

Sales inquiries: sales@milwaukeeelectronics.com Copyright © 2022 Milwaukee Electronics All Rights Reserved 5855 N. Glen Park Road Milwaukee, WI 53209 Tel: 877.960.2134

