



LEGENDS OF MANUFACTURING



Some years ago, Bruce Tamisiea, founder of Tecton Industries Inc. in Spencer, Iowa, won the Legend of Manufacturing

award for companies with fewer than 100 employees. A well-earned recognition for this family-owned and operated company.

"When the average length of employment is 21 years, you know that people come first," said Bruce. For 40+ years, they have been committed to supporting the well-being and success of their employees, customers, and local communities.

Today Tecton is run by Bruce's son, Tyler Tamisiea. A forward-thinking leader, Tyler turned his focus to their Aileron Management System developed by Clayton Mathile to address the changing needs of their business. "We focused on the Aileron leadership philosophy that we had implemented across our

organization so we could empower our company to thrive in any environment and achieve our goals," said Tyler.

The same spirit that inspired Tyler to focus on Aileron to strengthen his company also had him looking into advanced technology. "We've historically been a Mori shop," shared Tyler. He continues, "So thinking outside the box when there is such a comfort zone with Mori and adopting faith with a different machine was a big step. We did a lot of research and narrowed down our choice at IMTS — the Eurotech turn/mill centers."

Tecton was looking for a machining solution for a particular component to help increase throughput.

Specializing in high quality, tight tolerance, and complex parts for the most demanding industries around the globe, high or low volume runs are frequent in their facilities.

As a result, they produce complex parts in low and high batches with 5-axis requirements and/or complex geometry that other components manufacturers have failed to produce.





"This is a very sensitive part for us," explained Tyler. Tecton wanted to reduce costs and not have to pass on a price increase to their

customers. So they worked with Jeff Walz at Eurotech and their local distributor, Stone Machinery, on a turnkey at Eurotech's Florida Tech Center to prove their program on a Eurotech Rapido B436 model.

"The Rapido was an excellent solution for Tecton. It is a 10-axis turn/mill cell with a small footprint. Eurotech's ladder technology greatly increases productivity; the superimposed sub-spindle gives you 3 tools in-the-cut simultaneously. It is designed to run unattended and comes standard with a heavy mill capacity of 6HP for 30 min rating," said Eurotech President Jeff Walz.



"The training and set-up process went smoothly. Without a doubt, the Eurotech Rapido has minimized our costs, and we are getting more pieces out every day. An added plus is the

footprint. We were restricted on space, and this machine is significantly smaller, by – about 30%!"

– Tyler Tamisiea, Tecton President

Tecton also invested in a new bar feeder from lemca. "The majority of our turning centers are automated with bar feeders or gantry systems. The lemca was new for us, and it has been an excellent bar feed," said Tyler.

Tyler continued, "Customers value our quality machining solutions in diverse industries. The complex parts we make are used by companies ranging from defense aerospace and robotics OEM manufacturers to medical and off-road vehicle equipment producers. Hydraulics, metrology,

archery, and firearms make up some of the other sectors we're proud to be involved with.

Our customers have come to expect quality parts on time and to the highest quality standards consisting of ISO 9001:2015 and AS9100 certifications and ITAR compliant. And that's what we deliver for each customer."

Tecton and Eurotech share similar business philosophies for their team members. Tecton operates an employee-first culture where each member is asked and follows three main principles: maturity, courtesy, and honesty. Tyler said, "We don't mandate rigid break times in our factory because we trust our employees to step away only when needed and only for as long as they need." Their employee-first culture makes Tecton unique, and their priority to their employees is what has made them a resilient organization in the Spencer, Iowa community.

Jeff Walz added, "Here at Eurotech, we also prioritize the needs of our team members and our customers, which is something we have in common with Tecton. We are proud to say that Tecton and the family who owns and operates it are Eurotech customers."

In addition, Tecton gives back to Spencer and the broader region in many ways. For example, as seen in the below picture, they provide annual business and engineering scholarships to the local students at Spencer High School.

With all of these practices in place, it's no wonder Tecton is a Legend of Manufacturing.

Congratulations to Spencer High School senior, Carly Izard, on being the Tecton Industries 2021 Business / Engineering Scholarship recipient!



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