

FASTLANE HELPS SLOAN GEAR AUTOMATE GEAR INSPECTION

ABOUT SLOANE GEAR INTERNATIONAL, INC. Sloane Gear International, Inc., based in Tipp City, Ohio, develops and distributes gear metrology products, both standard and custom gaging solutions for the most challenging gear and spline measurement applications. Sloane Gear is a full service, shop floor gear measurement enterprise offering everything from hand gages to fully automatic laser measurement systems. It is their mission to shift gear inspection closer to the manufacturing machine.

THE CHALLENGE. Automotive OEMs want to fully automate gear inspection and inspect 100% of the gears during the production process. By monitoring and controlling their manufacturing process using this new laser based measurement system, automotive companies can catch suspect gear quality issues at the grinder and avoid costly consequences further down the line. Sloane Gear was building a next-generation measurement system and needed specialized help with this product. The company turned to FASTLANE, part of the Ohio MEP and the MEP National Network™, for assistance.

MEP CENTER'S ROLE. FastLane identified and vetted a specialty machine builder to optimize the measurement system design, reduce costs and ensure manufacturability. This next-generation measurement system needed enhanced performance and lower manufactured cost to create future higher volume demand. FastLane helped shape the manufacturing ramp-up strategy and offered funding support that helped Sloane more rapidly qualify its fabricator and get pre-production systems into field testing faster. Success at this stage was essential to gaining end user acceptance and faster sales growth. FastLane's technical and financial support allowed Sloane to accelerate final product development, field testing and customer acceptance. By teaming with FastLane, Sloane was able to more rapidly secure critical follow-on orders from automotive OEM customers and begin full production ramp-up.

"We were impressed with the support we received throughout the project, the quick response time, and the level of engagement. We worked closely with Mark McCormick and couldn't be more grateful for time he spent with our team. He was knowledgeable, professional, and we hope to work with him again in the future! The Fastlane group helped Sloane Gear take our product to the next level, increase our revenue, and reduce our costs. What a great team!"

-Patricia Kukulka, President

RESULTS



1 created or retained job



\$2,100,000 in increased or retained sales



\$370,000 in new investment



\$27,000 in cost savings

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www.development.ohio.gov/bs/bs_mep.htm



Manufacturing
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