

MSP MANUFACTURING, INC.

BLOOMINGTON, INDIANA

Advanced Technical Skills Training Leads to Improved Productivity for Purdue MEP Client

“Supported with the expertise of Purdue MEP and the financial assistance of the Office of Local Defense Community Cooperation, MSP Manufacturing has substantially benefited not only through the upskilling of our employees but the increase in our business overall.”

Johnny Goode
President
MSP Manufacturing

 **MSP**
MANUFACTURING

Read more at: www.mep.purdue.edu/client-successes/msp-manufacturing/

The Challenge:

MSP's business increased by 30% in the past year. To keep pace with this tremendous growth, additional CNC training of employees was necessary to reduce the time required to manufacture some components. Also, a validation of some Quality Management System (QMS) administration was needed to reduce the administrative overhead. Additionally, advanced training for the primary dimension inspection person was needed, along with the ability for him to cross-train other employees to improve the quality inspection throughput.

The Solution:

Purdue MEP worked with MSP to develop a training program that raised the skill level of their employees to support the growing business. The team completed AS9100D Internal Auditor Training to identify areas of improvement, efficiency, and administrative work reduction.

In addition, Purdue MEP provided technical skills training for two areas of MSP's operations including the Mastercam CNC machine and a Faro Arm coordinate measuring machine (CMM). The intention was to improve the workers' knowledge of these machines and enable cross-training to advance CMM implementation to the production floor so that quality checks are completed during production.

The Results:

MSP realized several beneficial outcomes of the trainings including a \$50,000 gain in improved productivity as well as increased sales of 5-10%. In total, two new positions were created at the organization, eight employees received advanced technical skills training, and two employees are trained as AS9100D internal auditors. Among other benefits, they are also seeing a 25% time savings during the quality inspection process, allowing the quality department to focus on value-add opportunities.

Impacts:

- Estimated **\$50,000 in improved productivity** per year
- **Increased sales of 5-10%**
- **Creation of 2 new jobs/positions**
- **Investment of \$50,000** in new tooling to standardize work holdings
- **25% in time savings** during quality inspection process

ABOUT MEP

Purdue Manufacturing Extension Partnership (MEP) provides high-value solutions to help Indiana businesses maximize their success. As advocates for Indiana's thousands of manufacturers, our staff identifies areas of improvement, streamlines processes, and ultimately increases competitiveness. Purdue MEP serves hundreds of companies annually by implementing continuous improvement principles in the areas of productivity, growth, and technology.