

DUBUQUE SCREW PRODUCTS GAINS SPACE WITH NEW PROCESS FLOW

ABOUT DUBUQUE SCREW PRODUCTS INC. Located in Dubuque, Iowa, and established in 1946, DSP is a third-generation family-owned precision machine shop specializing in small- to medium-sized round and prismatic components of various levels of complexity. The current employee count is 44.

THE CHALLENGE. Dubuque Screw requested assistance from CIRAS, part of the MEP National Network™, with their future state layout as the company planned a building expansion.

MEP CENTER'S ROLE. The company had a few ideas, but they were open to anything that would maximize factory throughput. Using Flow Planner software, CIRAS Student Employee Cassie Larsen created eight layouts for plant leaders to consider. Each layout used process maps that simulated the way products would flow through the plant. Workstations could be moved around to help develop a plan for maximum efficiency. Larsen's work was supervised by CIRAS Project Manager Kirk Haaland. He made the initial contact with the company, showed Larson how to use the software, and provided guidance as she moved through the process.

"We are confident we have a plan that gives us the best balance of current needs and future growth opportunities. We believe implementing this plan gives us the opportunity to gain an additional 50% market share and increase the efficiencies of our current processes by 10%. "

-Chris Hohmann, Production Manager

RESULTS



4 jobs created or retained



\$50,000 in new or retained sales



\$20,000 in new investment



\$20,000 in new products



\$125,000 in equipment;
\$25,000 in information systems;
\$10,000 in workforce practices;
\$50,000 other

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