

3D PRINTING ALLOWS COMPANY TO OVERCOME CHANGES IN REGULATION TO AVOID PRODUCTION PROBLEMS

ABOUT ST. JAMES LIGHTING. St. James Lighting is a manufacturer of hand-crafted copper lighting solutions. They offer electrical and gas lighting solutions in a wide range of sizes and designs. They are located in Columbia, Mississippi, and have 35 employees on site.

THE CHALLENGE. Changes made to the ANSI-Z21.42a-2004 Illuminating Appliance Standard put St. James Lighting at risk of being unable to sell products to their Canadian customers.

MEP CENTER'S ROLE. After initial discussions and brainstorming possible solutions, the MMA-MEP Center at Mississippi Polymer Institute (MPI), part of the MEP National Network™, designed a modular add-on product using CAD software and printed several prototypes for St. James Lighting. Once a suitable design was accepted, St. James Lighting submitted the product for the new ANSI standard compliance.

"The printed caps solved a major problem we faced. The ability to create the caps at both the volume and price point allowed us to solve an issue and go on to other business."

-Jim Ragan, President

RESULTS



\$110,000 in new or retained sales as a result of meeting the ANSI standards for the 3D prototype.



\$5,000 savings on investment by utilizing the MMA-MEP Center MPI.

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