

## MANUFACTURABILITY CASE STUDY FOR INCREASED CAPACITY AND COST REDUCTION FOR EYEGLASS MANUFACTURER

**ABOUT SUPERIOR OPTICAL LAB.** Superior Optical, Inc., is a service-disabled veteran-owned small business located in Ocean Springs, Mississippi. Superior Optical is a premier manufacturer of eyeglasses. Founded in 1990, and incorporated in 1991, Superior Optical has a strong history of growth, technological advancement, and service to the industry. Superior Optical does all its manufacturing in Mississippi with its main manufacturing facility in Ocean Springs, MS. Since 2006 they have provided eyewear to veterans through their local VA hospital medical programs. These services are a major part of Superior Optical's business.

**THE CHALLENGE.** Superior Optical desires to expand its operating capacity by at minimum 300% from where it currently stands on completed glasses per day. Superior Optical is considering constructing a new 14,000-square-foot facility and renovating the space in its existing manufacturing facility, thus ultimately having 44,000 square feet of production space. Their challenge is to incorporate the new facility into their current production process, improving their product flow and work processes in a way that provides the best flow and utilization of manpower and available space. The overall goal is to utilize their campus for the best product flow with a strategic plan for future growth.

**MEP CENTER'S ROLE.** With the support of MMA-MEP Center at Mississippi State University's CAVS-E (MSU-CAVS-E), part of the MEP National Network™, Superior Optical was able to increase product throughput, reduce scrap waste, and better utilize machine and employee time. In conjunction with a facility 3-D scan, value stream mapping was used to map out specific processes in the frame/lens selection, lens shaping/polishing, and assembly from beginning to end. The team also worked to identify areas of waste. This allowed Superior Optical to competitively bid and secure additional Veterans Affairs VISN contracts.

"The folks at MMA-MEP Center at MSU-CAVS-E were invaluable and helped us out tremendously. I would definitely recommend them to help any business."

-Derek Bodart, President and Chief Executive Officer

## RESULTS



\$12,500,000 in increased or retained sales



\$1,380,000 in new investment



\$950,000 in cost savings

## CONTACT US



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Mississippi Manufacturers Association

