

## Micro-LAM Technologies

Micro-LAM Technologies offers cutting edge technology that delivers precision machining capabilities for advance engineered ceramics, precision optics, glass and metals. Companies currently using its system in the precision optics industry benefit from greater efficiency, increased part quality and reduced tooling cost due to our patented laser-assisted machining reducing their post-processing time by up to 60 percent. These benefits, coupled with an 8-10 month ROI, makes the Micro-LAM product a clear cut winner in its competitive matrix.

Micro-LAM has designed the only patented laser- diamond tool that heats and softens materials, making them easier to machine. The Micro-LAM system, known as the Optimus  $T+1$ , improves productivity and quality, minimizes waste and reduces tooling costs for optical components, enabling manufacturing companies to be more profitable. The value of the system has been evaluated and quantified by tests performed in collaboration with industrial partners and first customers. The system increases productivity by up to 500%, increases machine efficiency by up to 200%, improves part quality, and has an 8 to 10-month payback. The product is an add-on system to an existing ultra-precision machining tool.



Micro-LAM successfully accessed the federal SBIR program, obtaining the Phase I, Phase II and IIB grant through the National Science Foundation. In addition, the Micro-LAM team was invited to participate in the very selective NSF "I-Corps program" in 2012. Currently the company is actively selling its commercialized technology to numerous customers in and outside the United States.

SBDC services Micro-LAM has accessed over the past several years include market research, SBIR grant assistance, Emerging Technology Fund support, Business Accelerator Fund and lots of one-on-one consulting around matters such as business model, marketing plan, technology licensing, investor readiness, and pitch presentation.