

## **Target Fabrication Advances at Schafer Livermore Laboratory**

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Schafer Lindbergh Laboratory has developed and refined techniques in target fabrication for the ICF, HED and basic science communities. These efforts were prompted by specific needs of our customers for new target types or tighter specifications to be met. This resulted in developmental efforts in precision micro-machining, fixturing, assembly, 2-photon lithography, coatings, polyimide windows, and capsules. One such example is equation of state (EOS) physics packages, machined and assembled by Schafer, that now routinely meet a 50 nm thickness uniformity specification. Specifics of our capabilities and developmental examples of novel targets and new tolerances met will be given.