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High-energy-density Targets Fabricated by The University of Michigan[1] SALLEE KLEIN, ROBB GILLESPIE, CAROLYN KURANZ, R PAUL DRAKE, University of Michigan — The Center for Laboratory Astrophysics at the University of Michigan is unique among universities in that we have been fabricating targets for high-energy-density physics experiments for well over the past decade. We utilize the process of machined acrylic bodies and tightly toleranced mating components that serve as constraints, enabling our group to build repeatable targets. We favor traditional machining, utilizing 3D printing when it suits, taking advantage of the very best part of both of these methods of creating precision parts for our targets. Here we present several campaigns shot at the OMEGA, Titan and Trident facilities and methods used to fabricate those targets.

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