

SPRINGBORO OPERATIONS

High Volume Aluminum
Impact Extrusion
Manufacturing



OTS FACILITIES

SPRINGBORO, OH

LOCATION OVERVIEW

Located in Springboro, Ohio, the facility houses over 220,000 square feet of manufacturing space and specializes in high volume aluminum impact extrusion manufacturing, including design, fabrication, finishing and testing.

As part of General Dynamics Ordnance and Tactical Systems, Springboro Operations is a proven supplier of weapon components for the United States military and international allies. The facility produces warhead cases and rocket motor tubes for the U.S. Army's Hydra 70 air-to-ground rocket, Sidewinder air-to-air missile, components for the 40mm grenade, and 81mm mortar fins.

With a focus on continuous improvement, lean manufacturing concepts and new technologies, Springboro Operations has the expertise and technology needed to take a project from concept to full production.



Springboro Operations
is ISO 9001 certified as
well as ISO 14001
and ISO 45001.



KEY PROCESS CAPABILITIES

Impact extrusion is a press forming process used to fabricate aluminum and other non-ferrous metals into near net shapes of the final product. Impact extrusion may occur as a reverse extrusion where metal flows in the opposite direction of the punch, forward extrusion where the metal flows in the same direction as the punch, or both, where the metal flows in both directions. Less material and machining are required, making impact extrusion a cost effective method of metal fabrication.

FAST FACTS

- » Impact Extrusion Specialists form your part to near net shape with minimal material loss
- » Vertically Integrated (CNC Machining, Heat Treat, Chemical Processes, and Finishing)
- » Chemical Processes (Type II Anodize and Chromate Conversion Coatings)
- » Finishes (Powder Coat and Enamel Paint)
- » Robotic Machine Attendants and Automated Inspection Systems
- » Networked Monitoring of Production Systems