



ROCKETS

Multi-functional Support
For Hydra 70 Rockets

OTS FACILITIES

ROCKETS

LOCATION OVERVIEW

General Dynamics Ordnance and Tactical Systems' Rockets Line of Business is headquartered in Huntsville, AL and is comprised of four additional operating locations that include: Anniston, AL, Camden, AR, Springboro, OH and Williston, VT. Our Huntsville Headquarters location is strategically located within minutes of Redstone Arsenal, home of the Program Executive Office - Missiles and Space and the Project Manager for Tactical Aviation and Ground Munitions, the manager of the Hydra 70 program for the United States Government.

General Dynamics Ordnance and Tactical Systems is the Prime Contractor and system integrator for the Hydra 70 family of rockets.

Our HQ in Huntsville provides program management, contracts management, business development, supply chain management, and engineering support across the Hydra 70 family of rockets.

The Springboro and Anniston locations support the Hydra 70 program by providing rocket motor tubes and the rocket motor fins and nozzles. Camden serves as our Load, Assemble, and Pack (LAP) facility where all Hydra subsystems come together as an all up round. Our vertically integrated capabilities, offers us the unique capability to design and deliver systems as the Prime contractor as well as operating as a major subsystems or components supplier for our customers. General Dynamics-OTS is the sole provider and only U.S. qualified source of Hydra 70 rockets, warheads and motors to the U.S. Government and has produced and delivered more than seven million rockets to date.

Key Process Capabilities

Huntsville and Williston Operations

- » Engineering Services (i.e. design, development, manufacturing, propulsion)
- » Program Management
- » Supply Chain Management

Anniston Operations

- » Turning (2 and 4 axis): 36 Turning Centers
- » Milling (4 and 5 axis): 47 Milling Centers
- » Electron-Beam Welding (5 axis Sciaky machine)
- » Spot Welding, TIG, MIG, and Brazing Capabilities
- » Electrical Discharge Machines (4 axis): 4 EDM centers
- » Heat Treat, Stress Relief, Cure Ovens
- » Acid Etch, Cleaning, Coating, Painting, Passivation, Painting Processes
- » X-Ray, Mag Particle, Wet and Dry Penetrant Non-Destructive Testing Certified

Camden Operations

- » Explosive mix/cast, pressing, melt/pour (1 gallon to 450 gallon capacity)
- » Inspection, test facilities, and equipment
- » Chemical Analysis
- » X-Ray
- » Explosive storage and bunkered test center
- » Temperature-controlled cure bays

Springboro Operations

- » Impact Extrusion of non-ferrous metals
- » Heat Treating
- » CNC Machining (turning and drilling)
- » Finishing processes for metal coatings to protect against corrosion

Fast Facts

Huntsville and Williston Operations

- » Full infrastructure to support both system and subsystem integration of complex government programs

Anniston Operations

- » Substantial capability to manufacture complex metal parts to meet DOD specifications and the scalability to support small and large volume production
- » On-site Tool Room and 12 Coordinate Measuring Machines
- » High Precision Machining that can hold tolerances of +/- 0.0005" (+/- 0.0127mm)
- » Vertically integrated to support LEAN manufacturing methodology
- » Electron-Beam Welding, Spot welding, MIG and TIG welding
- » Heat Treat (Controlled and non-controlled atmosphere)
- » Environmentally Controlled Clean Room
- » AS9001 certified and Nadcap certified for Non-Destructive Testing

Camden Operations

- » Full service Load, Assemble, and Pack (LAP) to support warhead production

Springboro Operations

- » High volume impact extrusion of aluminum
- » Full service manufacturing to include: design, fabrication, finishing, and testing
- » CNC Machining
- » Heat Treating Metal finishing processes