



CAMDEN OPERATIONS

Warhead, Ordnance
and Rocket System
Manufacturing and
Integration

OTS FACILITIES

CAMDEN, AR

OVERVIEW

Camden Operations is an industry leader in the high rate production, system integration and testing of energetic products. As part of General Dynamics Ordnance and Tactical Systems', Camden Operations is the business's explosive load, assemble and pack facility, supporting a variety of U.S. military programs, including the Hydra-70 2.75-inch rocket, Hellfire and Javelin missiles, the Modular Artillery Charge System and various mortar munitions. Located near Camden, Ark., Camden Operations houses over 880,000 square feet of manufacturing and storage space.

Camden Operations adheres to stringent quality standards through the use of several advanced quality control analytical laboratories, which perform both mechanical and chemical inspection. As a premier manufacturing facility, Camden is capable of producing IM (Insensitive Munitions) compliant products. IM compliant products are immune to external threats in their environments and respond.



**Camden Operations is a
one-stop shop for the system
integration and testing of
energetic products.**

Products include the Hydra-70 2.75-inch rocket, Hellfire and Javelin warheads, the Joint Air-to-Surface Standoff Missile and the Modular Artillery Charge System. Camden Operations also produces high-explosive unitary, training warheads and various mortar rounds.

Camden Operations achieves an industry-leading reputation as a world-class facility for the high rate production, system integration and testing of energetic products through proven processes and a skilled team dedicated to continuous improvement in advanced product design and production capabilities.

FAST FACTS

FACILITIES

- » Over 880,000 square feet of manufacturing and storage space
- » Rocket motor and warhead test area
- » DoD compliant explosive storage

KEY PROCESSES

- » Load, assemble and pack
- » Mix-cast
- » Melt-pour
- » Pressing
- » Rocket assembly and testing

KEY PRODUCT AREAS

- » Hydra-70 2.75-inch rocket; over 5 million delivered
- » Hellfire, Javelin and BDM warheads
- » Modular Artillery Charge System; over 10 million delivered

KEY PROCESS CAPABILITIES

Camden Operations is an industry leader in high rate production - load, assemble and pack (LAP). Capabilities include melt cast, mix cast, press loading and extrusion processes for explosives production and integration. Insensitive Munitions requirements include but are not limited to passing Fragment Impact, Bullet Impact, Slow Cookoff, Fast Cookoff, Shaped Charge Jet and sympathetic detonation tests.

MIX CAST:

Blending an explosive ingredient with a cohesive, plastic binder, and then casting and curing into a munition. A 100 gallon and a 500 gallon mixer provides the capacity to cast large quantities and larger sizes of explosive products.

MELT POUR:

Melting an explosive in a steam-heated kettle and pouring the mixture into a warhead case or other munition.

PRESSING:

Explosive powder is poured into a die. The powder is then pressed to the near-net-shape of the product, also known as the billet. The billet is then machined to the desired shape and dimension. Our presses range from 75 ton to 1,000 tons and were designed by Camden's skilled team.

- » Joint Air-to-Surface Standoff Missile
- » EFSS 120mm Mortar