

# Patriot (PAC-3)

rocket motor case, seeker housing and midsection



General Dynamics Armament and Technical Products provides the composite seeker housing, midsection and motor case structure for the Patriot Advanced Capability Missile.

Employed by the U.S. Army Aviation and Missile Command, the PAC-3 is the world's most effective hit-to-kill air defense missile.

GDATP's composite housing provides protection for the actual seeker, while the midsection functions as a conduit for wiring and plumbing integration. The composite motor case is the primary structural component for the PAC-3 missile. It incorporates high-temperature materials to accommodate a solid-propellant rocket motor produced by Aerojet.

Since 1960, GDATP has delivered over 30,000 rocket motor cases to every solid propellant rocket motor contractor in the United States. The prime contractor for the PAC-3 system is Lockheed Martin Missiles and Fire Control.

## Key Capabilities

- Complete product design and analysis capability
- Performance specifications manufacture
- Complete tool design capability
- High-temperature epoxy resin (400°F operating temperature)
- Precision-machining capability
- Fin lug bonding
- Hydrostatic proof testing

## GENERAL DYNAMICS

Armament and Technical Products

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