

EaglePicher™ Thermal Batteries

THE ONE-SOURCE POWER SOLUTION
FOR YOUR PRIMARY RESERVE NEEDS



OUR HERITAGE

For more than 40 years, EaglePicher has produced high quality, reliable and cost effective thermal batteries. In 1982, EaglePicher became the first company to produce LiSi/FeS₂ thermal batteries for the U.S. Department of Energy on a production basis. To date, we have produced millions of batteries for a variety of defense markets.

OUR TECHNOLOGY

EaglePicher offers the broadest range of electrochemistries available for a variety of thermal applications, including Li-Al/FeS₂, LiSi/FeS₂, Li/CoS₂ and Thin Film technologies to meet short and extended range missions by producing small and large diameter batteries.

- High volume production capacity
- Cost effective
- Automated production
- 20-year or longer storage life
- No maintenance required

EaglePicher's experience in both **automated and non-automated** thermal battery production with **multiple manufacturing facilities** offers a level of confidence unmatched by any other battery producer.

Proven technical and manufacturing expertise allows EaglePicher to develop new and customized thermal battery designs, as well as ensure each design is technically sound, cost effective and functional in its intended system.

THE RESULTS

EaglePicher is the Department of Defense's leading supplier of power solutions for most missile applications.

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APPLICATIONS

Thermal batteries are used in military and aerospace applications that require a long, maintenance-free shelf life in a full range of temperatures, climates and dynamic environments. EaglePicher has qualified and manufactured more than 300 unique thermal battery designs to support a variety of markets including missiles, underwater, fuzes, aircraft and launchers.

DEFENSE APPLICATIONS

EaglePicher has a rich history of supporting nearly every major ordnance program, including, but not limited to:

- TOW
- Patriot
- JDAM
- Tomahawk
- Excalibur
- Paveway
- Laser Guided Bomb
- Hellfire
- Javelin
- Small Diameter Bomb
- Stinger
- Maverick
- ESSM/Sparrow
- Standard Missile 3/6
- Sonobuoy
- AMRAAM

BATTERIES OF THE FUTURE

EaglePicher is developing tape casting technologies that will lead to production of thin cell components for applications ranging from miniature fuze batteries to large-diameter pulse batteries. The component tapes can be cast reel-to-reel, resulting in higher production rates and lower manufacturing costs than powder pressing operations.

