ENCODER PRODUCTS COMPANY

Encoders for
GOVERNMENT & AEROSPACE



ENCODER.COM/GOV

Encoders for Government & Aerospace

EPC is the trusted manufacturer of military-grade precision encoders for defense, aerospace, and government applications since 1969. As one of the largest defense subcontractors in the United States, and the largest in Idaho, we help customers de-risk critical programs through a secure, vertically integrated U.S. manufacturing operation, proven quality systems, and industry-leading lead times. Trusted by leading prime contractors, EPC delivers millions of configurable encoder solutions with the reliability, responsiveness, and production capacity required for mission-critical applications.

SBA
U.S. Small Business Administration
HUBZONE CERTIFIED



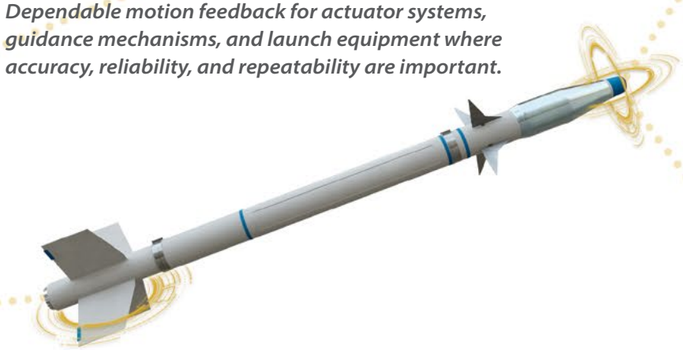
MISSION-CRITICAL MOTION FEEDBACK

Space & Satellite

- *Support for satellite positioning, ground station antennas, solar array positioning, and other critical aerospace systems with dependable motion feedback designed for long service life and mission-critical performance.*

Missile Systems & Guided Ordnance

- *Dependable motion feedback for actuator systems, guidance mechanisms, and launch equipment where accuracy, reliability, and repeatability are important.*



Directed Energy & Laser Communications

- *High-resolution motion feedback for beam steering, optical positioning, and precision control systems, helping ensure reliable performance in advanced defense and aerospace applications.*



Gimbals & Targeting Systems

- *EPC encoders deliver high-resolution position and speed feedback for gimbal assemblies, electro-optical systems, and targeting platforms, ensuring smooth, reliable performance in land, air, naval and space applications.*

Radar & Antenna

- *Precise angular feedback for antenna positioning, radar rotation, and elevation control, enabling consistent performance in demanding operational environments.*



Robotics & Autonomous Systems

- *High-resolution feedback for unmanned ground vehicles (UGVs), autonomous mobile systems, robotic manipulators, and automated defense equipment, delivering the accuracy and reliability required for mission success.*

Need Help Choosing the Right Encoder?

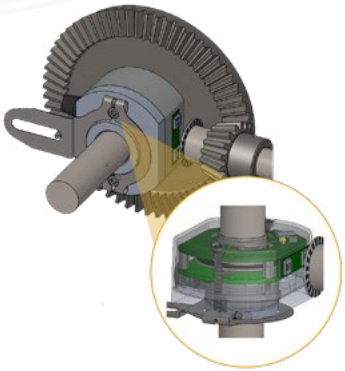
EPC helps match the right encoder technology to your application — learn more about our custom encoders.

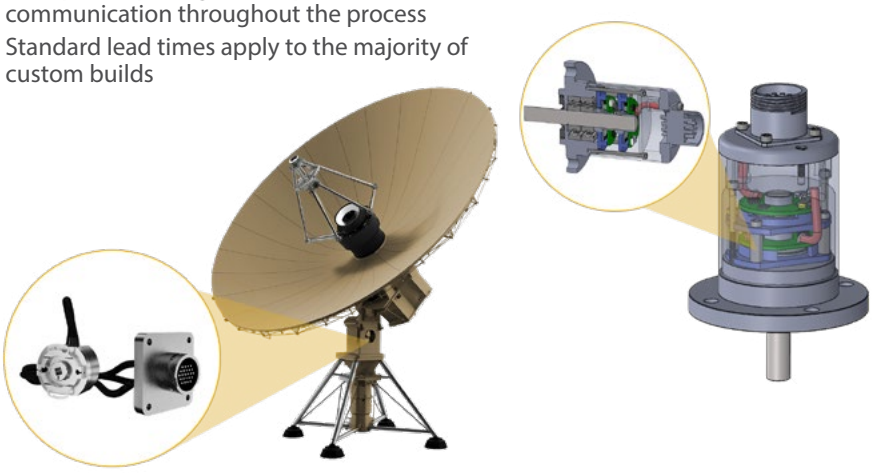
COTS to Custom

Fast response engineering and design support from concept to production — custom engineered to fit your application, system, and performance requirements.

When standard products aren't the right fit, EPC works with you to develop a custom encoder solution tailored to your application requirements. Our team focuses on delivering cost-effective custom designs that fit both your system requirements and your budget, backed by responsive engineering support and full in-house manufacturing capabilities.

- More than 1,000 custom engineering projects completed
- Dedicated in-house engineering team focused on customer-driven solutions
- Vertical integration with full in-house manufacturing capabilities
- Custom machining, connectors, discs, and mounting configurations
- Custom electrical systems, signal outputs, and firmware options available
- Inventory planning and private labeling support
- Transparent pricing and responsive communication throughout the process
- Standard lead times apply to the majority of custom builds





Engineers that are ready to work with you. Contact our team to get started!

We will work with you through planning and production to ensure your encoder is the perfect solution. Our engineers are ready to help — no matter the challenge or application.

CONTACT US



The EPC Advantage



Secure Your Supply Chain



100% On-Time Delivery



Gain a True Engineering Partnership

encoder.com/gov
1-800-366-5412
sales@encoder.com

CAGE: 53136
HubZone Certified
CMMC Level 2 in 2026
ITAR