



CORE COMPETENCIES

BEI Precision Systems & Space Company, Inc. is the leading developer and manufacturer of advanced sensing solutions for space and military applications where critical accuracy and resolution are needed for pointing, aiming, and control of weapon systems, satellite payload instruments, robotic arms, radar systems, optical tracking, and astronomical telescopes.

BEI Precision has provided Products and Engineering Services to many Military and Space customers, enabling them to meet or exceed their mission pointing or tracking requirements. BEI Precision has more experience than any other encoder company at meeting demanding program requirements.

- ✓ New Sensor Product Development
- ✓ Design of Electro-Optical Mechanical Sensors
- ✓ System Engineering and Program Management
- ✓ Life Cycle Product Realization
- ✓ Test Equipment Design and Development
- ✓ Manufacturing to Space and Military Standards
- ✓ Quality and Test to ISO standards

**ENCODERS – ACCELEROMETERS – SCANNERS
POSITION – ACCELERATION – CONTROL**

PAST PERFORMANCE

As a subcontractor, BEI Precision has provided the Design, Development Support, Integration Support, and Hardware for the encoders on many programs. Many military systems depend on BEI Precision encoders for aiming ordnance, while space systems depend on the demonstrated long life and precision of BEI Precision encoders to point telescopes, antennas, lasers, and solar arrays. Many scanner designs depend on BEI Precision encoders to provide stable, accurate sweeps and movement over the life of the instrument.

BEI Precision has often engineered and produced limited quantities of precision encoders for specialized applications, such as the Hubble Space Telescope and NPOESS Weather Satellites; we have also produced many designs in quantities of hundreds to thousands to meet production requirements, such as accelerometers for Sikorsky and IR scanners for the F-35 Joint Strike Fighter. We have been on the cutting edge of development for satellites, major aircraft, and military systems.



DIFFERENTIATORS

- BEI Precision is the leader in the high-performance encoder market offering proven mission critical solutions.
- BEI Precision offers Engineering, Manufacturing, and Quality capability for design & development of customized solutions.
- BEI Precision brings the most mature product heritage and pedigree demanded by customers for mission assurance.
- BEI Precision has developed a modular encoder architecture to minimize development costs, collapse lead-time, and reduce technical risk.
- BEI Precision management team and skilled work force, attuned to the most stringent U.S. Government requirements.

DEPLOYMENTS



Payload Pointing
Payload Instrumentation
Robotics
Solar Array Pointing
Antenna Pointing
Dual Spin Attitude Control
Scan Mechanisms
Optical Crosslinks
Image Motion
Compensation
Line of Sight Stabilization



Sighting Systems
Laser Designators
Battlefield Radar
Satellite Communications
Turret/gun Position
Shipboard Radar
Airborne Radar Missile
Launchers Acceleration
Measurement



Radar
Optical Tracking
Astronomical Telescope
Lab Instruments

