



Solutions for the **Communications Industry**

Precision Motion for a
Connected World

Moving the Future of Connectivity

In a world driven by data and speed, the communications industry depends on equipment that performs with flawless precision.



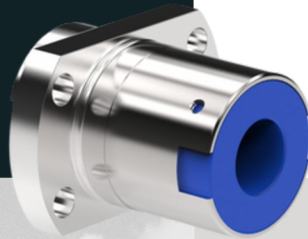
From antenna positioning systems and satellite ground stations to broadband infrastructure and network automation, Helix Linear Technologies delivers high-performance motion solutions engineered to support uninterrupted connectivity.

Designed for accuracy, reliability, and compact integration, our components keep communication systems aligned, responsive, and ready for the demands of today and the innovations of tomorrow.

Precision Alignment for High-Speed Networks

Whether ensuring satellite dish accuracy or optimizing the angle of a cellular antenna, Helix Linear's motion control systems deliver the precision and repeatability required for modern communication infrastructure.

Our actuators and lead screws are compact, corrosion-resistant, and adaptable making them ideal for use in confined spaces and high-vibration environments often found in telecom and broadcast equipment.



Key Applications:

- Antenna elevation and azimuth control
- Satellite ground station alignment
- Broadcast signal optimization systems
- Optical fiber equipment positioning
- Radar and telemetry actuation
- Base station automation (5G/6G)

Core Products:

- Precision Lead Screws
- Anti-Backlash Nuts
- Custom Miniature Actuators
- Motorized Linear Actuators
- Stainless Steel and Anodized Components

Motion Solutions That Keep Signals Aligned

Signal loss, mechanical drift, and weather exposure can compromise communication networks.

That's why Helix Linear designs every product with long-term stability, thermal resistance, and smooth repeatable motion at its core. Our components enable fine-tuned adjustments and positioning, helping maintain clear, uninterrupted signal transmission in real-time systems.

Performance Features:

- High-resolution linear motion for precision tracking
- Sealed systems for weather and dust protection
- Long service life in continuous-use applications
- Quiet operation for noise-sensitive environments
- Compatibility with feedback systems and sensors



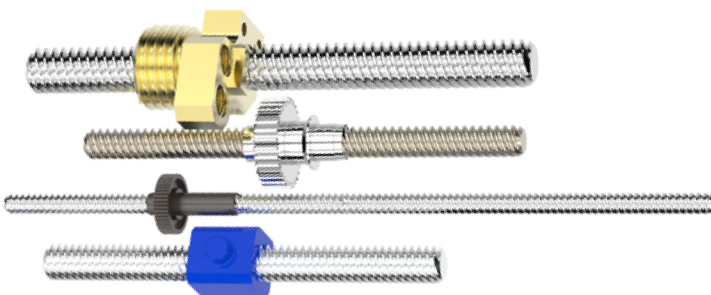
Built for the Future of Global Communication

Helix Linear Technologies is AS9100:2016 certified and supports advanced manufacturing standards for industries requiring mission-critical uptime.

Our engineering team works with communications system designers, integrators, and OEMs to develop custom motion solutions that align with evolving 5G, satellite, and IoT infrastructure needs. From early prototyping to full-scale production, Helix helps you bring your next-generation communications equipment to life with confidence and precision.

Key Capabilities:

- Custom configurations for tight enclosures
- Corrosion-resistant materials for outdoor use
- Integration-ready with smart control platforms
- Prototyping and quick-turn support
- U.S.-based manufacturing with global reach



Certifications & Standards:

- AS9100:2016 certified
- RoHS-compliant materials
- REACH-compatible grease and coatings
- Traceability on critical components



Precision Motion for the World's Most Connected Industries

For over a decade Helix Linear Technologies has provided trusted motion solutions that support critical infrastructure around the world. In the communications industry, where accuracy and uptime are non-negotiable, we deliver engineered components that help keep networks stable, signals strong, and data moving. When the world depends on staying connected, Helix keeps things in motion.



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