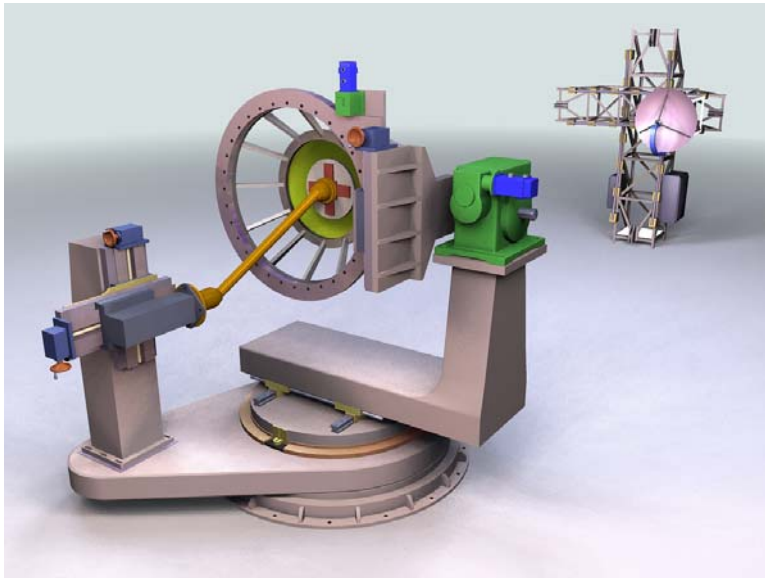


Radome Boresight Error Test System (RBETS)



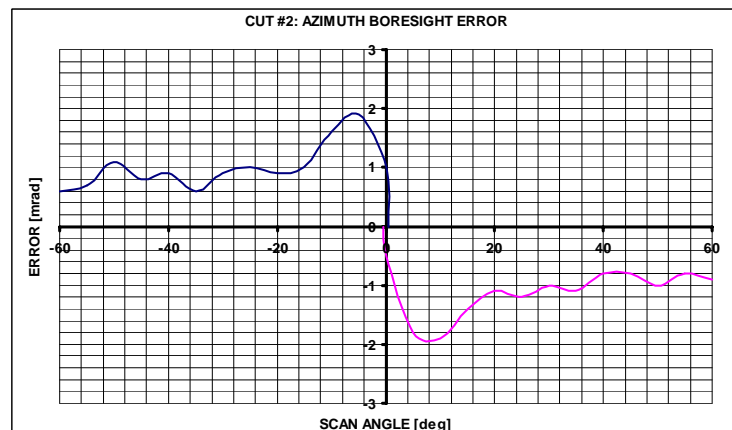
A typical RBETS consists of a radome positioning system and an antenna positioning system. The radome positioner has nine axes of adjustable motion, three of which are servoed. All three of the antenna positioner axes; vertical, horizontal, and antenna roll are servoed. Both of the positioning systems are controlled by the field proven Ideal Aerosmith AERO 4000 motion controller. Our AERO 4000 Controller is built upon commercial-off-the-shelf (COTS) hardware and software platforms to minimize cost and delivery schedules. Our controller technology also provides customers with a product that does not lock them into proprietary technology and a single-source

part supplier. The instrumentation may be configured to fully automate the test sequences, data acquisition, and analysis.

Ideal's far-field Radome Boresight Error Test System features:

- High dynamic range of RF measurement.
- Precision, servo-controlled mechanical motion.
- Adaptability to virtually any radar system — sequential lobing, simultaneous lobing (phase and amplitude)
- Far-field measurements
 - Antenna pattern with and without radome
 - Radome boresight error
 - Radome boresight error slope
 - Radome transmission
 - Radome reflection
- Data compression and analysis
 - Pass/fail
 - Graphing

Data Presentation Example:



Submit your requirements and let our engineers work with you toward an effective solution.

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