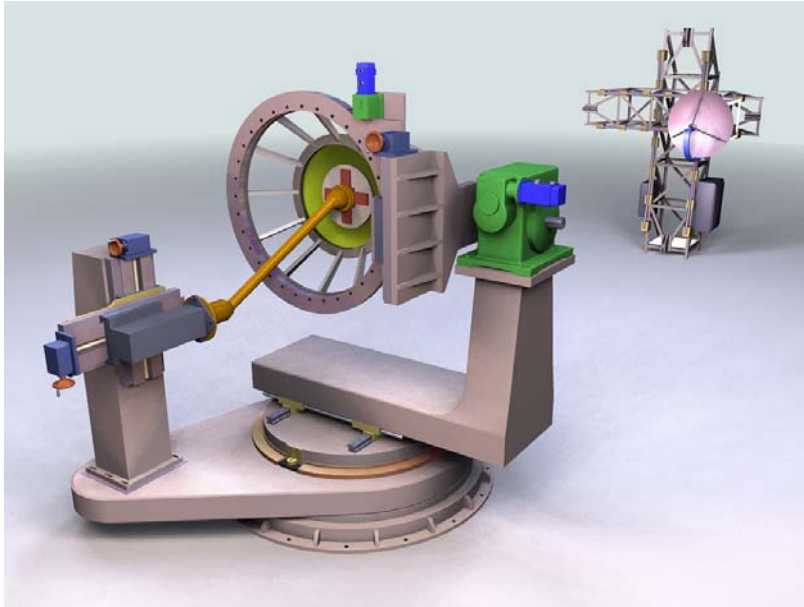


Radome Boresight Error and Antenna Pattern Measurement (RBEM) Systems

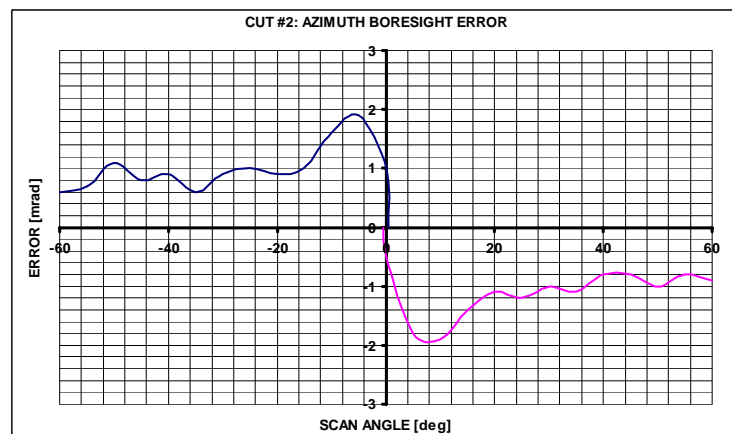


A typical RBEM system consists of radome and antenna positioner fixtures. The radome positioner has nine axes of adjustable motion, three of which are servoed. All three of the antenna positioner axes — vertical, horizontal, and antenna roll — are servoed. The control console includes a PC, with National Instruments' LabVIEW™ software tools, which fully automates the test sequences, data acquisition, and analysis.

Ideal's far-field Radome Boresight Error Measurement test equipment affords:

- 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.