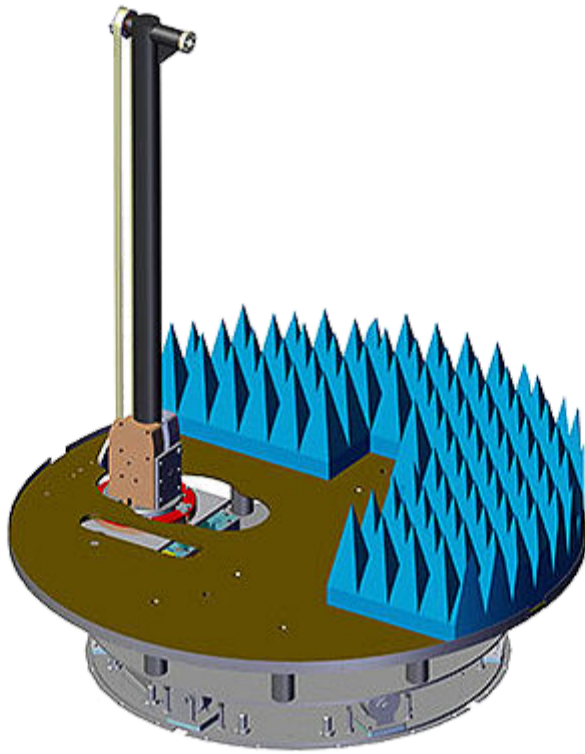


## 2117 Multi-Axis Positioning Systems (MAPS)



ETS-Lindgren's Model 2117 Medium Duty Multi-Axis Positioner is designed to provide smooth rotation of a test object in both theta and phi axes. Typically the model 2117 is used in systems that measure spherical antenna patterns and total effective radiated power of wireless devices, with MAPS units currently in operation at several CATL labs. Options include the SAM Phantom (head) and ETS-Lindgren's Positioning Controller with GPIB and EMQuest Software.

### Key Features

- 360 Independent Rotation in Both Theta and Phi Axes, Continuous Rotation in Phi Axis
- Angular Positioner Accuracy Better than  $-0.25^\circ$  with EUT load centered on rotation axis
- Variable Speed Axis Rotation
- Convenience Outlet and Coaxial Rotary Joint Installed at Turntable Center
- Suitable for RSE Testing
- Testing With/Without SAM Phantom Head (Optional)
- EMCenter Positioning Controller (Required):
  - IEEE-488-2 (GPIB) Compatible
  - Fiber Optic Control Lines
- EMQuest EMQ-100 Integrated Automated Test and Measurement Software (Optional)

### Product Features

#### Construction

The model 2117 is constructed with low reflective dielectric materials to minimize RF obstruction or distortion, and was designed to minimize EMI noise and offer minimal physical obstruction to RF fields. Motor units contained in RF-shielded enclosures and are designed to be placed below the absorber. Signal lines from motor to the optional positioning controller are fiber optic.

### Specifications

#### Physical Specifications

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Maximum Height: Consult Factory

Minimum Height: Consult Factory

Nominal Height: Consult Factory

Maximum Load Capacity: 11.3 kg (24.91 lb)

#### Electrical Specifications

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Phase: Single

Power: 208/230 VAC

Control Unit (Sold Separately): EMCenter with EMControl

#### Product Options

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- EMCenter with EMControl (required)
- Additional Cable Lengths

#### Product Configuration

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- MAPS Assembly Including Medium Duty Mast Capable of Handling up to 11.3 kg (24.9 lb) EUT
- Standard Heights Available (Please Specify One):
  - 152.40 cm (60.0 in) (2117-6000)
  - 172.72 cm (68.0 in) (2117-6800)
  - 182.88 cm (72.0 in) (2117-7200)
  - 213.36 cm (84.0 in) (2117-8400)
- Fiber Optic Cable
- Manual