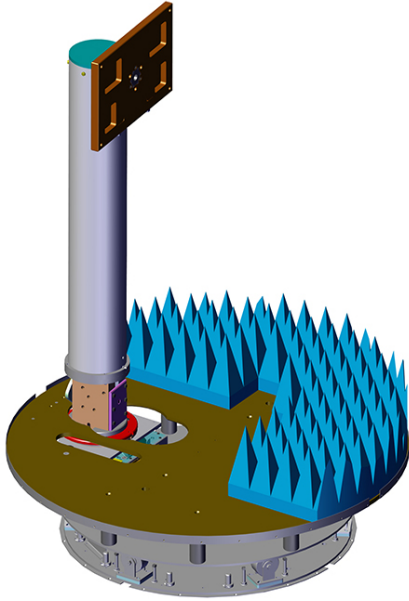


MULTI-AXIS POSITIONER (MAPS) 2120CR Multi-Axis Positioner (MAPS)

ETS-Lindgren's Model 2120CR Heavy Duty Multi-Axis Positioning System (MAPS) is designed to provide smooth rotation of a test object in both theta and phi axes.



ETS-Lindgren's Model 2120CR Heavy Duty Multi-Axis Positioning System (MAPS) is designed to provide smooth rotation of a test object in both theta and phi axes. Typically the model 2120CR is used in systems that measure spherical antenna patterns and total effective radiated power of a wireless device, with MAPS units currently in operation at several CATL labs.

Key Features

- **360° Independent Rotation in Both Theta and Phi Axes, Continuous Rotation in Phi Axis**
- **Angular Positioner Accuracy Better than $\pm -0.5^\circ$ 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)**

Features

Positioning

Objects can be rotated independently, in either/both theta and phi axes. Objects in the phi axis can be rotated in a continuous 360 degrees clockwise/ counterclockwise direction, at variable speeds, under program control using the optional positioning controller. Objects in the theta axis can be rotated 360 degrees (non-continuous) with an optional positioning controller.

Construction

The model 2120CR 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

Electrical Specifications

Phase: Single

Power: 208/230 VAC; <10 A 50/60 Hz

Physical Specifications

Maximum Height: Consult Factory

Minimum Height: Consult Factory

Nominal Height: Consult Factory

Test Object Load Rating: 34.0 kg (75.0 lb)

Other Specifications

- MAPS Assembly Including Heavy Duty Mast Capable of Handling up to 34.0 kg (75.0 lb) EUT
 - SAM Phantom Head and Shoulders
 - Standard Heights Available (Please Specify One):
 - 152.4 cm (60.0 in) (2120CR-6000)
 - 172.7 cm (68.0 in) (2120CR-6800)
 - 182.9 cm (72.0 in) (2120CR-7200)
 - 213.4 cm (84.0 in) (2120CR-8400)
 - Fiber Optic Cable Assembly
 - Bulkhead Feed-through
 - Two-year Warranty
 - Manual
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