

# MODEL 1231 CENTRIFUGE SYSTEM



## STANDARD SPECIFICATIONS

- **g-Range:** 0 to 200 g's at 44-inch (1118 mm) radius
- **Maximum g-lbs:** 20000 g-lbs
- **Payload Capacity:** 24 inch cube, (610 mm);  
200 lbs. (91 Kg) per arm
- **Rate Range:** 0-400 RPM
- **Slip Rings:** 108 lines at 3A per line
- **Drive System:** 15 H.P. D.C. motor
- **Control:** AERO 5 ELITE Controller with centrifuge-specific GUI
- **Testing radius:** UUT location is adjustable within mounting platform, 30-54 inch radius (762-1372 mm)
- **Stability:**  $\leq 0.1\%$  of operating rate above 40 rpm. Zero drift.
- **Speed Indication Accuracy:**  $0.01\% \pm 0.02$  RPM (measured over 1 revolution)
- **Vibration Isolation:** Less than 0.1g from 0.5 – 100 Hz
- Bi-Axial measured at UUT Mounting Platform
- **Power:** 230VAC, 3 phase, 60 Hz, 65 A (70 A service)
- **Mounting Platform:** 24 inches x 24 inches horizontal platforms located at each end of the rotating arm
- **Dimensions:**
  - Centrifuge: 122.2 in. wide x 121.2 in. deep x 78.6 in. high (3103 x 3078 x 1996 mm)
  - Console: 23.3 (592) W x 30.0 (762) D x 73.6 (1869) H
  - Drive isolation Transformer: 26 in. wide x 22 in. deep x 34.5 in. high (660 x 559 x 876 mm)
- **Approximate Centrifuge Weight:** 6100 lbs. (2765 Kg)
- **Other Standard Features:** Unbalance Sensor provides automatic machine shut down in event of unbalanced loads; Electrical door interlocks prevent enclosure from being opened while machine is in motion; Dynamic Braking System

## MODEL 1231 OPTIONS

- Custom slip ring configuration
- Camera viewing system
- Fluid transfer joint
- Coaxial rotary joint
- Positionable platforms

This Centrifuge System was formerly manufactured by Trio Tech International and Genisco Technology Corporation. Specifications subject to change without notice. For special requirements or custom specifications, contact Ideal AeroSmith

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