CAVU AEROSPACE UK

AirB m-15

Overview

AirB m-15 is a tabletop micro Air-bearing system that simulates the conditions of the space environment with near- frictionless motion environment with 360-degree rotation about one axis (yaw rotation) about 35-degree around two other axis (Roll and Pitch), which contains a platform with balancing mechanism, and a hemispherical air bearing with its support. A perfect tool for aerospace education and research environment among other usage.

Built on industry-leading technologies and edge expertise in Sweden, and tested in Japan and Switzerland, AirB m-15 is designed and developed to bring optimal and unparalleled performance to related industrial and educational applications.

Use Cases

- Satellite attitude studies
- Space technology R&D
- Floating simulations
- Applied engineering
- Scientific education
- General workshops

Material

The air bearing and balancing platform are both made of a non-ferrous material, which does not interfere with the magnetic field.

Key Features

- Supports up to 15kg load
- Supports maximum operating pressure of 3 bar
- Made of non-ferrous material
- No magnetic field interference
- Provides low moment of inertia
- Provides XY axis ±35˚ motion range
- Provides Z axis ±360˚ motion range
- Three platform models (sizes)

Ease of Use

- Easy setup
- Easy installation
- Standard connections
- Low maintenance

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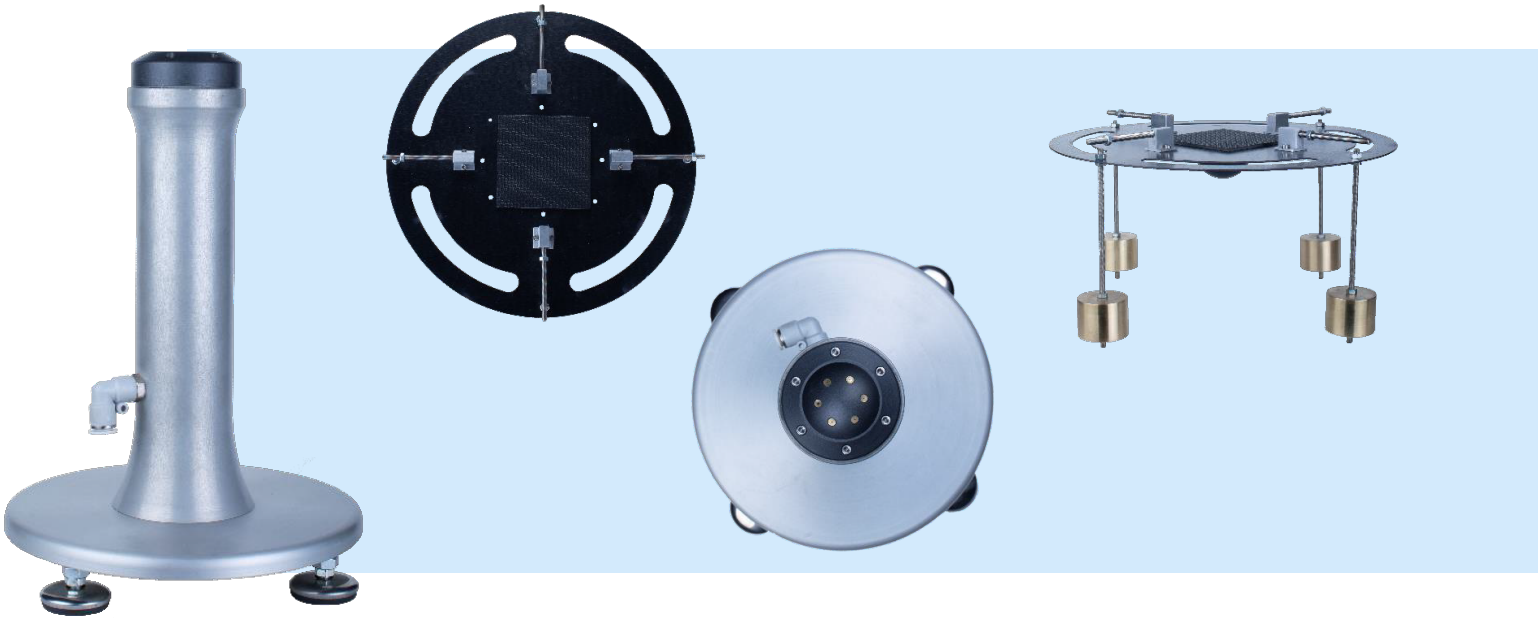
Tabletop Micro Air-bearing

Package Contents

- One (1) hemispherical air bearing
- One (1) air bearing support platform
- One (1) rotation platform
- Four (4) balancing mechanisms



Technical Specifications

Carrying Capacity	Up to 15kg
Rotation Range	XY axis: ±35° Z axis: ±360°
Bearing Noise	Insignificant
Temperature Sensitivity	Operates over wide range of
Size	Height 32cm Model A Platform Diameter: 20cm Model B Platform Diameter: 30cm Model C Platform Diameter: 40cm
Weight	≤ 6.5kg
Durability	≥ 7 years

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