

## PAYLOAD ISOLATION STAND



Moog's payload isolation stands ease assembly, integration, and testing by providing mechanical mounting and decoupling the satellite from the facility's mechanical disturbance sources. The stands incorporate vibration isolation by floating the payload on a combination of springs and magnetic eddy current dampers. Leveling of the payload can be achieved with height adjusters, and the system can be manually locked out to convert to a rigid mount.

### KEY FEATURES

- Allows for high accuracy payload stability testing
- Mechanically decouples satellite from ground-borne noise
- Compatible with thermal-vacuum environments
- Optional latch and release mechanism
- Height adjusters for leveling
- Custom designs available

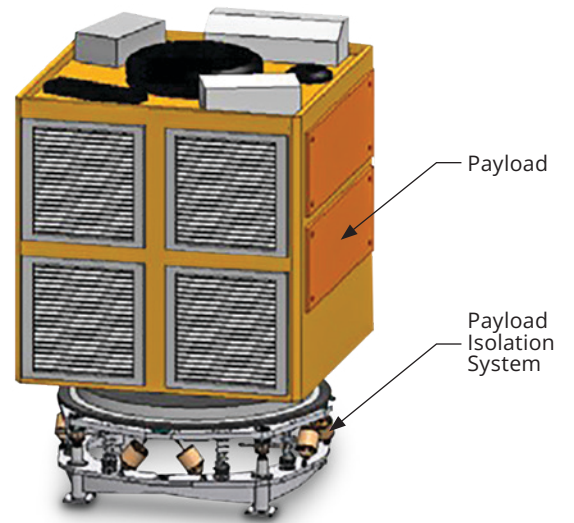


# PAYLOAD ISOLATION STAND

## PERFORMANCE

Features	Specifications
Model	DITA-500
Dimensions (DxH)	2.0 m x 0.6 m
Platform mass	430 kg
Payload mass	up to 1500 kg
First six suspension modes	<3.5 Hz (w/ payload attached)
Critical Damping	0.5-2.0% (over wide operating temperature)
Temperature range	-50 to +70 °C
Environments	Thermal-vacuum compatible

Note: Custom versions are available on request



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