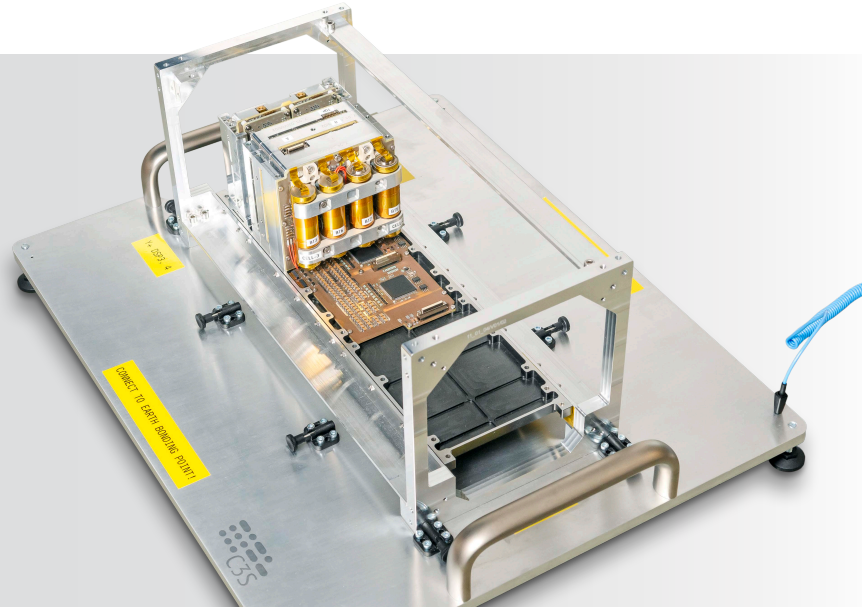


## 3-AXIS SUPPORT JIG

### SUMMARY

C3S' JIG provides a unique, multidirectional approach to satellite assembly processes by allowing the orientation of the satellite to be changed along its three main axes, all the while simplifying the fixation with the use of spring latches which constrain the assembly in all 6 degrees of freedom. By utilizing this system, the first main structural element is constrained first, providing ease of access from all sides to make subsystem integration fast and easy. The C3S JIG is compatible with all C3S provided CubeSat standard platforms and unique frame designs.



### MAIN FEATURES

#### 3-AXIS SYSTEM

- Accessibility to the satellite from any desired direction
- Quick and easy changeability of satellite and support frame orientation thanks to spring latches
- Testability of various mechanisms is ensured (e.g. solar panels in vertical configuration or boom system in a horizontal position)

#### SUPPORT FRAME

- Grants mechanical protection for the satellite during transportation
- Aluminum rails provide a rigid structure for the handling of the satellite allowing safe portability
- Four grounding points are available for connecting grounding cables for ESD protection
- With corner point levelling components it's possible to properly level the satellite for the integration process

### SPECIFICATION

#### Property

#### Value/Options

Mass	4442 g
Dimensions - Surface Area	Baseplate - 490 x 400 mm Legs - 495 x 405 mm
Dimensions - Height	Baseplate to Top - 165 mm Leg to Top - 176 mm
Satellite orientation	Horizontal, vertical
TVAC compatibility *	✓ *(frame only)
Cleanroom compatibility *	✓ *(cleanroom compatible material selection)