

ATLAS

Ground Test Release Actuators

Get faster in the new space race.



Development of space mechanisms with space qualified release actuators can be long and expensive process. Some of the units still need to be sent abroad for refurbishment after each release. **ATLAS** ground test actuators will make the development **affordable** and will keep it **representative**.

SPACERACE company will develop and qualify a rapidly **reusable** release actuator for **ground testing of space mechanisms**. The unit envelopes a broad range of commercially available space-rated release actuators, with the same mechanical interface, release times or release current.

ATLAS is especially efficient in the development of multi-actuator mechanisms with precise synchronization. **Initiation Control Unit** allows for power and control of multiple actuators at the same time. Release scenarios can be easily prepared using any PC with USB. The actuators are rapidly resettable by changing the cartridge with **redundant initiators**.

Designed for efficiency with no trade-off in safety. Time and cost saving are guaranteed.

ATLAS features

Mechanical interface	User customized (NEA, Glenair, Eaton, Arquimea and more)
Release bolt thread	User customized up to M12
Release preload	> 22 kN TBC
Mass	< 300 g (without harness and connector)
Actuation	PC controlled for multiple actuators
Reset	Release Initiation Unit replacement directly on tested article under 1 min without tools
Life	> 100 guaranteed releases
Actuation current	< 5A
Temperature range	0°C to 40°C
Vacuum	Upon request
Expected qualification	Q2 2023

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