Space Technologies

Capabilities

With more than 25 years of space heritage, Sierra Nevada Corporation’s (SNC) Space Systems has provided hardware for hundreds of successful space programs including more than 70 NASA missions. We have delivered 4,000+ systems, subsystems and components with 100 percent operational success. SNC’s high reliability products such as the pointing and motion control mechanisms and actuators for the Mars 2020 rover enable us to explore the far reaches of our solar system while improving life here on Earth.

Facilities

Our large manufacturing and state-of-the-art testing facilities allow us to deliver products on-time and with confidence. Some of our verification capabilities include: vibration, thermal-vacuum, large area pulsed solar simulation, shock, RF, stiffness, motor/actuator speed-torque-accuracy, line-of-sight micro-motion jitter testing and functional testing.

Space Technologies
Focus Areas

• Deployable Systems
• Docking & Berthing Systems
• Electrical Power Systems
• Flight Control Systems & Thrust Vector Control Systems
• High Output Paraffin Actuators & Mechanisms
• Instrument Door & Cover Systems
• Launch Adapters & Separation Systems
• Pointing Systems & Motion Control
• Production & Test Capabilities
• Thermal Control Systems
SNC has become the supplier of choice, offering an expanding portfolio of space-qualified products and subsystems to customers around the world. From pointing systems and motion control technologies used on the Mars rovers, to game-changing solar array technologies enabling advanced spacecraft performance, we provide what customers need to get their missions off the ground. See sncorp.com/spacecatalog for a sampling of SNC Space Technologies products.