

NEWSPACE MARKET · COMPANY PROFILE



University of Colorado Boulder

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as of 20 August 2026

University of Colorado Boulder

The Laboratory for Atmospheric and Space Physics (LASP) at the University of Colorado Boulder is one of the world's leading university-based space research institutes, combining spacecraft engineering, instrument development, and mission operations under one roof. LASP has flown instruments on missions ranging from the Voyager probes to Mars orbiters, and it has become a national leader in student-built small satellites. LASP's flagship CubeSat program is MinXSS (Miniature X-ray Solar Spectrometer), a 3U CubeSat built primarily by CU Boulder students with faculty and engineer mentorship. MinXSS-1 launched in December 2015 and deployed from the ISS in May 2016, carrying an X-ray spectrometer to measure solar soft X-ray emissions and their impact on Earth's upper atmosphere and ionosphere — the first NASA Science Mission Directorate CubeSat to fly a dedicated science payload. A follow-on, MinXSS-2, launched in 2018 for extended solar observations. LASP also contributed to CSSWE (Colorado Student Space Weather Experiment), a 3U CubeSat studying energetic particles in Earth's radiation belts, and continues to train students through hands-on small-satellite design, fabrication, and mission operations as part of CU Boulder's aerospace engineering curriculum.

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SERVICES

Services

Assembly, Integration, and Testing LASP offers full-cycle, in-house support for the assembly, integration, and testing of space missions.	Data Management LASP offers data management services as part of its comprehensive space exploration capabilities.
Environmental Monitoring LASP specializes in comprehensive space weather and environmental monitoring at Earth and beyond.	Mission Operations LASP provides full-cycle, in-house support for the operations phase of space missions.

Product catalogue



UNIVERSITY OF COLORADO BOULDER

MinXSS (Miniature X-ray Solar Spectrometer)

MinXSS is a 3U CubeSat built primarily by University of Colorado Boulder students at LASP to measure solar soft X-ray spectral irradiance. It was the first NASA Science Mission Dir

price on request

Contact University of Colorado Boulder

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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