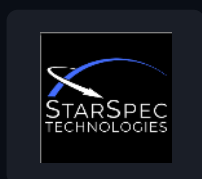


NEWSPACE MARKET · COMPANY PROFILE



StarSpec Technologies

Canada · founded 2020 · starspectechnologies.com

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PRODUCTS

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SERVICES

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WITH DATASHEETS

newspacemarket.com/companies/starspec-technologies/

as of 27 August 2026



StarSpec Technologies

StarSpec Technologies was founded in 2020 in Ayr, Ontario, Canada, providing space technology hardware and services to the growing small satellite industry. The company's product line spans attitude determination and control system (ADCS) components — including star cameras, reaction wheels, and ADCS controllers — as well as complete satellite bus platforms and high-altitude balloon gondola systems for near-space testing. StarSpec also offers dedicated environmental and functional testing services for satellite hardware, including its TARDIGRADE and M-COTS test programmes, giving satellite developers access to qualification testing without building in-house facilities. The company has worked with the Canadian Space Agency, reflecting its role in Canada's growing space technology ecosystem. On the software side, StarSpec develops mission support tools including telemetry (TLM) software, the ZinAOI Mapper geospatial tool, and AIMLE, extending its hardware offerings with mission operations and data-analysis capabilities for satellite operators.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Development of LEO Satellite Designs

StarSpec undertakes the detailed implementation of LEO satellite designs to demonstrate transformative capabilities in sub-arcsecond stabilization.

Integration of Space Systems

StarSpec provides key technical support for integrating complex space systems, including gondolas and pointing systems with optical and cryogenic detectors.

On-Demand InSAR Data Analytics with AI

StarSpec provides on-demand, actionable InSAR results and data analytics for northern communities using AI to assess environmental changes.

Radiation Testing and Qualification

StarSpec offers radiation testing and qualification services for Commercial Off The Shelf (COTS) electronics for space applications, aiming for rapid qualification timelines.

Technical and Consulting Support for Balloon-borne Missions

StarSpec provides comprehensive technical and consulting support for balloon-borne missions, from concept development to operational phases.



The SASC is a sub-arcsecond star camera offering high accuracy and precision for attitude determination, designed for plug-and-play integration with full-sky catalog onboard.

price on request [datasheet](#)

datasheet

Contact StarSpec Technologies

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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<https://www.starspectechnologies.com>

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