

NEWSPACE MARKET · COMPANY PROFILE



# Roccor (Redwire)

United States · rdw.com

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as of 20 August 2026



# Roccor (Redwire)

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense applications. The company develops proven and reliable space infrastructure for the next-generation space economy, including advanced optical imaging and sun sensor technology, ELSA high-performance, low-mass solar arrays, and Mako spacecraft platforms. Redwire also provides critical technologies and capabilities for autonomous aircraft and space-based defense, such as advanced navigation and standard systems for Stalker UAS. Their products have been used in NASA's Artemis II mission on the Orion spacecraft, and they have delivered 8 IROSA wings for the International Space Station (ISS). Redwire is also involved in programs like PROBA-3 (spacecraft integration, testing, onboard computer, 3D Energetic Electron Spectrometer), DARPA's Otter program (SabreSat platform), and the U.S. Space Force and Air Force Research Laboratory's Tetra-5 program (on-orbit refueling technologies). Customers include NASA, Moog Inc. for a National Security Program, Portfolio Acquisition Executive Robotic Autonomous Systems (PAE RAS), and the U.S. Space Force and Air Force Research Laboratory. Redwire has approximately 1,300 employees located throughout Europe and the United States.

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

|                                                                                                                                                                                                      |                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><b>Digital Engineering Enterprise</b></div> <div>Redwire offers a comprehensive digital engineering suite for modeling, simulation, and development of space and defense systems.</div>         | <div><b>Digital Mission Planning and Architecture Assessment</b></div> <div>Redwire provides digital tools and expertise for mission planning and assessing the architecture of space and defense systems.</div> |
| <div><b>In-Space Pharmaceutical Research and Manufacturing</b></div> <div>Redwire's SpaceMD leverages microgravity for pharmaceutical research, including crystal growth and drug development.</div> | <div><b>Spacecraft Integration</b></div> <div>Redwire performs spacecraft integration, combining various components and systems into a functional spacecraft.</div>                                              |
| <div><b>Spacecraft Testing</b></div> <div>Redwire conducts comprehensive testing of spacecraft to ensure their functionality and reliability before launch.</div>                                    |                                                                                                                                                                                                                  |

# Product catalogue



ROCCOR (REDWIRE)  
RoccOR Deployable Booms and Solar Array Structures

RoccOR, part of Redwire Space, manufactures deployable composite booms, solar array support structures, and antenna deployment mechanisms for satellites ranging from CubeSats to la

ProductsDeployable booms, solar array structures, antenna mechanisms

ParentRedwire Space

price on request



ROCCOR (REDWIRE)  
ROSA — Roll-Out Solar Array

The Roll-Out Solar Array (ROSA) is Redwire’s flagship solar power product, a flexible, rollable photovoltaic array that deploys on-orbit via stored strain energy in its compo

ROSA DiamondBOL power 3.3 kW; mass 36 kg; deployed length 8.6 m; stowed width 2.32 m

ROSA OpalBOL power 5.3 kW; mass 42.7 kg; deployed length 12.6 m; stowed width 2.67 m

ROSA SapphireBOL power 12.9 kW; mass 160 kg; deployed length 21.2 m; stowed width 3.35 m

ROSA TanzaniteBOL power 17.6 kW; mass 180 kg; deployed length 24.8 m; stowed width 4.15 m

ROSA SunStoneBOL power 28 kW; mass 331 kg; deployed length 19.4 m; stowed width 3.1 m

ROSA PhenaciteBOL power 37 kW; mass 521 kg; deployed length 18.5 m; stowed width 4.94 m

Bus voltage range12 V to >300 V (configurable)

price on request

## Contact Rocco (Redwire)

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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