NEWSPACE MARKET

NEWSPACE MARKET · COMPANY PROFILE

Orbotic Systems

United States · orboticsystems.com

4	4
PRODUCTS	SERVICES

newspacemarket.com/companies/orbotic-systems/

as of 20 August 2026

ABOUT

Orbotic Systems

Orbotic Systems Inc. is a California-based spacecraft technology company headquartered in Thousand Oaks. The company develops orbital threat analysis, passive maneuvering, and precision capture technologies for commercial, civil, and defense space missions, with a focus on making spacecraft safer and more sustainable to operate in increasingly congested orbits. The company's product line includes DiskSat, a disk-shaped spacecraft platform optimized for Very Low Earth Orbit (VLEO) missions where geometry, stability, and payload flexibility are important; D3 (Deorbit Drag Device), a propellant-free, passive drag-modulation device that enables maneuvering, controlled deorbit, and targeted re-entry for small spacecraft, and which has already been deployed from the International Space Station; ARGUS, a real-time onboard threat-detection and analysis system that gives spacecraft autonomous space-domain awareness without relying solely on ground-based tracking; WIND, a space weather sensor that measures ion and neutral particle densities; and RIDDANCE, a dual-net capture system designed to detumble and secure non-cooperative objects in orbit for debris remediation and on-orbit servicing. Orbotic Systems is led by co-founders Erik T. Long (CEO) and Jane Ielmini (COO), along with CFO Scott Ryll. The company positions its hardware as low-cost, low-complexity alternatives to propulsive or robotic systems, aimed at helping operators comply with orbital debris regulations such as the FCC's 5-year deorbit rule while supporting a broader range of orbital operations from environmental sensing to active debris removal.

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

Orbital Debris Compliance

Orbotic Systems helps customers meet orbital debris compliance requirements with its deorbit solutions.

Passive Maneuvering Systems

Orbotic Systems specializes in passive maneuvering systems to enhance spacecraft control and mission life.

Precision Capture Technologies

Orbotic Systems specializes in precision capture technologies for spacecraft protection and mission life.

Space Situational Awareness (SSA) Enhancement

Orbotic Systems enhances Space Situational Awareness for government and commercial operators.

PRODUCTS

Product catalogue

ORBOTIC SYSTEMS

ARGUS

ARGUS is a real-time onboard threat detection and analysis system designed to identify and assess risks in orbit, providing rapid awareness and response capabilities for satellites

price on request

ORBOTIC SYSTEMS

Deorbit Drag Device (D3)

The Deorbit Drag Device (D3) is a propellant-free system for orbital control and end-of-life disposal of small spacecraft, modulating drag to enable maneuvering, controlled deorbit

Increase in overall size	10cm x 10cm x 5.9cm (under 1U cubic form factor)
Deorbit altitude capability	as high as 700 km
Flight heritage	Successfully deployed in September 2022 from the International Space Station

price on request

ORBOTIC SYSTEMS

DiskSat

DiskSat is a unique spacecraft platform designed for specialized missions, offering enhanced stability and payload flexibility, particularly optimized for Very Low Earth Orbit (VLE

price on request

ORBOTIC SYSTEMS

RIDDANCE

RIDDANCE is a dual-net capture system designed to detumble and secure non-cooperative objects in orbit, enabling controlled capture operations for debris remediation and on-orbit s

price on request

Contact Orbotic Systems

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.

`https://newspacemarket.com/companies/orbotic-systems/`

`https://orboticsystems.com`