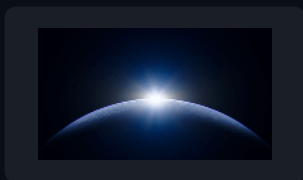


NEWSPACE MARKET · COMPANY PROFILE



GITAI

Japan · gitai.tech

2

PRODUCTS

5

SERVICES

newspacemarket.com/companies/gitai/

as of 20 August 2026



GITAI

GITAI designs and manufactures robotic technologies for space exploration. Their products are intended for the construction and maintenance of satellites, lunar settlements, and Martian cities. They develop solutions from early concept development and laboratory prototypes to technical demonstration robots. One of their state-of-the-art technical demonstration robots is currently deployed in a commercial module of the International Space Station. GITAI aims to make space operations safer and more cost-effective. They collaborate with researchers from the University of Tokyo. The company is actively seeking engineers and business development professionals.

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

Environmental Testing GITAI conducts a wide array of environmental tests, including vibration, thermal vacuum, and radiation tests, to ensure robots withstand harsh space conditions.	In-Space Assembly & Manufacturing GITAI's robotic technologies enable the assembly of large space systems in orbit, overcoming launch fairing limits and supporting next-generation missions.
Lunar Infrastructure Construction GITAI provides safe, efficient, and affordable robotic labor solutions for constructing essential infrastructure on the Moon.	On-Orbit Servicing: Maneuvering & Life Extension GITAI provides orbital agility and extended performance for satellites, including unprepared ones, by docking directly to their separation rings.
On-Orbit Servicing: Removal & Deorbit GITAI offers reliable deorbit solutions for satellites, safeguarding orbital environments and ensuring mission assurance through controlled reentry.	

Product catalogue



GITAI

GITAI Lunar/Space Robotic Arm System

GITAI's autonomous dual-arm robotic system is designed for in-space servicing, assembly and manufacturing, lunar surface construction, and ISS external maintenance tasks, reducing

Arm reach	~1.5 meters (flagship dual-arm system)
Control modes	Autonomous and teleoperated
Target applications	In-space servicing, assembly, and manufacturing (ISAM); lunar surface construction; ISS ex
Demonstrated tasks	Panel assembly, switch operation, cable connection, tool-use
Flight heritage	ISS technology demonstration in 2021 aboard the Bishop Airlock under a Nanoracks contract
Related products	Pressurized lunar rover concept; inchworm-type exterior-walking robots

price on request



GITAI

Space Robotics and In-Space Assembly

GITAI's general-purpose space robots for ISS external maintenance, lunar surface operations, and in-space manufacturing — reducing the need for costly and dangerous human spacewalk

Robot	S2 robotic arm – force-sensing, teleoperated, general-purpose
ISS Demo	2021 external ISS maintenance (Nanoracks Bishop Airlock) – first private company ISS robot
Target Markets	Space station maintenance, lunar surface construction, in-space assembly
Key Investor	Yamaha Motor (robotics manufacturing expertise)
HQ	Tokyo, Japan (US subsidiary in Los Angeles)

price on request

Contact GITAI

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/gitai/>

<https://gitai.tech/>