

NEWSPACE MARKET · COMPANY PROFILE

ASPINA

ASPINA

Japan · founded 1948 · aspina-group.com/en

3

PRODUCTS

2

SERVICES

newspacemarket.com/companies/aspina/

as of 20 August 2026



ASPINA

ASPINA is the corporate brand of Shinano Kenshi Co., Ltd., a precision technology group headquartered in Ueda, Nagano, Japan, founded in 1948. The company is a global leader in the design, development, and manufacturing of miniaturized motors, actuators, blowers, pumps, and drive systems for demanding applications in space, medical, and industrial sectors. In the space domain, ASPINA has developed specialized blowers and thermal control components qualified for microgravity environments, including hardware launched to the International Space Station. The company's technology supports life support systems, rack cooling, and fluid management in spacecraft. ASPINA products are also used in satellite mechanisms requiring precision motion control in harsh space environments. With manufacturing facilities in Japan, China, Indonesia, and the United States, ASPINA serves global OEM customers in satellite manufacturing, spacecraft systems, and space station infrastructure. The company's engineering expertise spans motor windings, motor drivers, gearboxes, and complete motion system integration.

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

Customized motion solutions

ASPINA delivers customized motion solutions, adapting their drive systems and precision motors to meet specific customer requirements.

ODM/OEM services

ASPINA offers Original Design Manufacturer (ODM) and Original Equipment Manufacturer (OEM) services, providing comprehensive solutions from design to production.

Product catalogue



ASPINA

ASPINA Reaction Wheels for Small Space Satellites

ASPINA offers a lineup of reaction wheels (RWs) designed for small satellite constellations in Low Earth Orbit (LEO), catering to CubeSats and satellites ranging from 100kg to 500k

Item	Developing specification
Model	ARW-3m
TRL	8
Heritage	1st units launched: Jan 2025
Satellite mass	CubeSat
Momentum, max	3mNms
Torque, max	1mNm

TRL 8

price on request



ASPINA

Reaction wheel

ASPINA offers a range of reaction wheels designed for satellite attitude control, featuring competitive pricing, high production capacity, low disturbance, light weight, and high p

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ASPINA

Space Blowers & Motion Components

ASPINA (Shinano Kenshi) develops precision motors, blowers, and motion components for space applications, including hardware qualified for the International Space Station (ISS). Th

Products	Blowers, motors, actuators, pumps
Heritage	Hardware launched to International Space Station (ISS)
Applications	Thermal control, life support, rack cooling, satellite mechanisms
Environment	Microgravity, vacuum, radiation qualified

price on request

Contact ASPINA

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/aspina/>

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