



MAGIXPACE
魔方卫星

Shenzhen MagicCubeSat Technology (MCS)

China · founded 2018 · en.mgcsat.com

7

PRODUCTS

newspacemarket.com/companies/magiccubesat-mcs/

as of 24 August 2026



Shenzhen MagicCubeSat Technology (MCS)

Founded in 2018 and headquartered in Shenzhen, MCS works on the mission of making satellites accessible to everyone: high-quality, cost-effective microsatellite products manufactured industrially rather than one by one. The company designs and mass-produces communications, navigation, optical remote sensing and SAR satellites, and separately sells the core units behind them — triple-junction GaAs solar arrays, lithium-ion battery packs, momentum wheels of 15, 50 and 340 mNms, solar array drive assemblies and cold-gas propulsion modules. More than 20 sets of its solar arrays are in orbit, and its attitude control products first flew in 2020. Manufacturing sites are in Chongqing (Qijiang District) and Xichang, with a branch in Beijing. Alongside hardware MCS provides remote sensing imagery services for urban security, environmental monitoring, land mapping and disaster response.

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.

Product catalogue



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

15 mNms Momentum Wheel

Miniature momentum wheel with 15 mNms angular momentum for small satellite attitude control.

Angular momentum	15 mNms
First flight	2020
Application	Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

340 mNms Momentum Wheel

Momentum wheel with 340 mNms angular momentum for larger small satellites.

Angular momentum	340 mNms
First flight	2020
Application	Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

50 mNms Momentum Wheel

Momentum wheel with 50 mNms angular momentum for small satellite attitude control.

Angular momentum	50 mNms
First flight	2020
Application	Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

Lithium-Ion Battery Pack

Standardised lithium-ion battery pack for small satellite power systems.

Chemistry	Lithium-ion
Application	Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

LQTJ20A Cold Gas Propulsion Module

LQTJ20A cold gas propulsion module for small satellite orbit control.

Model LQTJ20A

Propulsion type Cold gas

Application Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

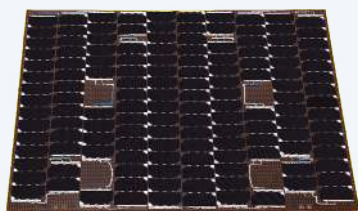
Solar Array Drive Assembly (SADA)

Solar array drive assembly for pointing deployable arrays at the Sun.

Function Solar array pointing drive

Application Low-orbit small satellites

price on request



SHENZHEN MAGICCUBESAT TECHNOLOGY (MCS)

Triple-Junction GaAs Solar Array

Triple-junction gallium arsenide solar array for low-orbit small satellites.

Cell type Triple-junction GaAs

Flight heritage 20+ arrays in orbit

Application Low-orbit small satellites

price on request

Contact Shenzhen MagicCubeSat Technology (MCS)

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/magiccubesat-mcs/>

<https://en.mgcsat.com/>

© 2026 Shenzhen MagicCubeSat Technology (MCS) — product data. Document compiled by NewSpace Market from the live catalogue on 24 August 2026. May be shared freely.