



Shaanxi Zhongtian Rocket Technology Co., Ltd.

China · founded 2002 · en.zthj.com

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PRODUCTS

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as of 23 August 2026

Shaanxi Zhongtian Rocket Technology Co., Ltd.

Shaanxi Zhongtian Rocket Technology Co., Ltd. (中天火箭, stock code 003009.SZ) was established in 2002 in Xi'an, Shaanxi Province, China, and listed on the Shenzhen Stock Exchange in September 2020. The company specializes in transforming space rocket technology into commercial and public-service applications, spanning small solid rockets, systems engineering, advanced materials, control technology, and space science popularization products. The company's core business includes WR-series rain-enhancement and hail-suppression rockets, which have been used to support weather guarantee operations for major national and international events including the Beijing Olympic Games, the Nanjing Youth Olympic Games, and the Hangzhou G20 Summit. Its product range also covers TK-series atmospheric sounding rockets, TL-series laser-guided air-to-ground rockets for UAV platforms, lightning-triggering rockets, and forest-fire-fighting rocket and UAV airdrop systems. Beyond rocketry, Zhongtian Rocket manufactures advanced materials such as carbon/carbon composite thermal field materials and aviation carbon brake discs, along with intelligent vehicle weighing and measurement-control systems deployed across multiple Chinese provinces. Its Space Science division also produces model rockets, model rocket motors, and static space display models used for aerospace science popularization and exhibitions, positioning the company as a rare vertically integrated player spanning defense-adjacent rocket systems, industrial materials, and public STEM outreach products.

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

Compliance Management Training The company organizes specialized training on compliance management, which is publicly available.	Personnel Training Services (Weather Modification) The company offers personnel training services as part of its comprehensive weather modification solutions.
Small Solid Rocket Service The company offers full process project tracking management with dedicated managers for pre-sales, sales, and after-sales support for small solid rocket projects.	Weather Modification Integrated Solutions Shaanxi Zhongtian Rocket provides comprehensive meteorological products and services for artificial weather modification, including detection, equipment, support, and personnel training.
Weather Modification Technology Service The company provides consulting services for weather modification, including operation methods, equipment procurement, and cloud seeding operation suggestions.	

Product catalogue



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.

Rocket Overall (Multiple Products)

This page describes a range of rocket products, including weather modification rockets, sounding rockets for atmospheric data collection, air-to-ground rockets, lightning rockets,

Wr-98 rain-enhancement and hail-suppression rocket - characteristics	High nucleus forming rate, rapid nucleation rate, high seeding intensity, large seeding ra
Wr-98 rain-enhancement and hail-suppression rocket - operation advantages	Round-the-clock, all-weather, suitable for all kinds of weather conditions
Wr-98 rain-enhancement and hail-suppression rocket - patents	Obtained a number of patents
Wr-98 rain-enhancement and hail-suppression rocket - usage	Most widely used in weather modification operation in China
Wr-98z ejectable-flare rain-enhancement and hail-suppression rocket - seeding method	Advanced ejectable-flare seeding method for high-efficiency three-dimensional cloud seedin
Wr-98z ejectable-flare rain-enhancement and hail-suppression rocket - characteristics	High nucleus forming rate, rapid nucleation rate, high seeding intensity, large seeding ra
Wr-98z ejectable-flare rain-enhancement and hail-suppression rocket - patents	Obtained a number of patents

price on request



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.

Rocket Overall (Product Series)

This page describes a series of rockets developed by the company, including weather modification rockets, sounding rockets for atmospheric data collection, air-to-ground rockets, l

Wr-98 rain-enhancement and hail-suppression rocket - characteristics	High nucleus forming rate, rapid nucleation rate, high seeding intensity, large seeding ra
Wr-98 rain-enhancement and hail-suppression rocket - operation advantages	Round-the-clock, all-weather, suitable for all kinds of weather conditions
Wr-98z ejectable-flare rain-enhancement and hail-suppression rocket - characteristics	High nucleus forming rate, rapid nucleation rate, high seeding intensity, large seeding ra
Tk-1 low altitude sounding rocket - detection altitude range	1000m
Tk-2 sounding rocket - detecting range	8 km
Tl-2 air-to-ground rocket - guidance mode	Semi-active laser guidance
Tl-2 air-to-ground rocket - mounting platforms	Single-launcher, double-launcher, tri-launcher, quadruple-launcher

price on request



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.
Rocket Overall (WR-98, WR-98Z, TK-1, TK-2, TL-2, Lightning Rocket, TC Series, UAV Airdrops, Serialised Target Rocket, Bo

This page describes a range of rockets including weather modification rockets, sounding rockets for atmospheric data collection, an air-to-ground rocket, a lightning research rocket

price on request



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.
Small Solid Rocket Service

Shaanxi Zhongtian Rocket Technology Co., Ltd. offers comprehensive services for small solid rockets, including full process project tracking, international transport, and technical

price on request



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.
Static Space Model

Large-scale customizable indoor/outdoor rocket and spacecraft static display models for aerospace science education and exhibitions.

Type	Static (non-flying) display model
Scale	Customizable per customer requirement
Application	Indoor/outdoor display; aerospace science education, expo, exhibitions
Design standard	Aerospace Military Standard
Customization	Large-scale static simulation custom orders accepted

price on request



SHAANXI ZHONGTIAN ROCKET TECHNOLOGY CO., LTD.
TK-1 Low Altitude Sounding Rocket

The TK-1 Low Altitude Sounding Rocket system is designed to detect real-time atmospheric temperature, humidity, and air pressure changes up to 1000m, offering a faster and more sta

Altitude range1000m

price on request

Contact Shaanxi Zhongtian Rocket Technology Co., Ltd.

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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