

NEWSPACE MARKET · COMPANY PROFILE



materion

United States · founded 1921 · materion.com

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as of 20 August 2026

materion

Materion designs and manufactures specialty engineered alloy systems, inorganic chemicals and powders, precious and non-precious metals, beryllium and beryllium composites, and precision filters and optical coatings. These materials are used to produce advanced semiconductor chips, reliable connectors for 5G networks, materials for thermal management in rocket engines, inorganic chemicals for next-generation batteries, precision optics for automotive applications, and nuclear-grade beryllium for clean energy. The company serves customers in the semiconductor, industrial, aerospace & defense, energy, automotive, telecommunications and data center, and consumer electronics markets. Materion was known for its work with beryllium in 1921. It has over 3,000 employees and operates in 30 locations worldwide.

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

Custom Fabrication

Materion offers custom fabrication services to complement its product portfolio, providing specialized expertise to meet customer needs.

Engineering and Design Support

Materion offers engineering and design support to help customers optimize the use of their products and achieve the best results.

Research and Development

Materion offers research and development services, pushing innovation boundaries to enable breakthrough solutions for customers.

Product catalogue



MATERION

Beryllium Mirror Substrates for Space Telescopes

Materion Corporation (formerly Brush Engineered Materials) is the world’s leading producer of beryllium and beryllium-based precision materials and components for aerospace a

price on request

MATERION

Beryllium Optical and Structural Components

Materion's space-grade beryllium mirrors, optical benches, and structural components used in space telescopes, Earth observation sensors, and infrared instruments.

Key Material	Beryllium (density 1.85 g/cm³, modulus 287 GPa)
Products	Mirror blanks, optical benches, scan mirrors, structural components
Notable Programs	James Webb Space Telescope primary mirror segments (all 18), GOES weather satellite scan m
Key Properties	Ultra-low density, 6× stiffer than Al, excellent cryogenic stability
JWST Contribution	Manufactured and polished all 18 hexagonal primary mirror segments
HQ	Mayfield Heights, Ohio, USA
price on request	

Contact materion

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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