



MATERION

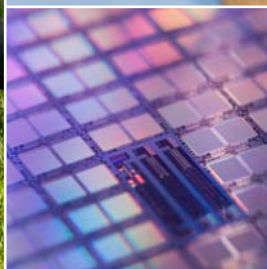


FROM A RICH HERITAGE OF INNOVATION AND MATERIALS TECHNOLOGY COMES MATERION

- One of the world's premier advanced materials products and services companies
- A transformed business, growing organically and through smart acquisitions
- Serving leading and emerging technology manufacturers around the globe
- Enabling our customers' new technologies in rapidly changing markets
- Driving our customers' profitability and becoming their first choice in a partner

ENABLING THE

FUTURE



MATERION IS THE NEW NAME FOR BRUSH ENGINEERED MATERIALS AND ALL OF ITS MAJOR BUSINESSES:

- Brush Engineered Materials Inc.
- Brush Wellman Inc.
- Brush Ceramic Products Inc.
- Brush Resources Inc.
- Williams Advanced Materials Inc.
- Academy Corporation
- Barr Associates, Inc.
- CERAC, incorporated
- Technical Materials, Inc.
- Techni-Met, LLC
- Thin Film Technology, Inc.
- Zentrix Technologies Inc.

MATERION

A LEADER IN OUR MARKETS

MATERION IS A NEW NAME, but we are an established leader in our markets, from consumer electronics to medical devices to highly engineered heavy industrial equipment. Materion is a unique, rapidly growing, advanced materials solutions company enabling our customers' high-value technology and long-term success.

Our products include precious and non-precious specialty metals, inorganic chemicals and powders, specialty coatings, specialty engineered beryllium and copper-based alloys, beryllium and beryllium composites, ceramics and engineered clad and plated metal systems.

We serve leading-edge, high-growth global markets from operations in the U.S. and 10 countries internationally. Our businesses share a common approach to markets and a mutual culture of innovation and collaboration. Our teams are constantly looking ahead to realign product and service portfolios toward the latest market and technology trends. Unified under a single brand, we are able to provide customers with an even broader scope of products, services and specialized expertise.



CONSUMER ELECTRONICS

MARKETS

- Semiconductors
- Computers
- Optical media
- Mobile devices and smart phones
- Digital cameras
- Gaming systems

PRODUCTS & SERVICES

- Thin film deposition materials
- Electronic packaging materials
- High performance alloy materials
- Specialty strip metals
- PVD cleaning services
- Precision parts cleaning
- Precious metals management

TECHNOLOGY SOLUTIONS

- Miniaturization
- Thermal management
- Conductivity
- Connectivity
- Reliability and longevity
- Storage capacity
- Multi-functionality
- Spring resistance
- Magnetic isolation

DEFENSE AND SCIENCE

MARKETS

- Military aerospace
- Ground-based weapons systems
- Avionics
- Targeting and guidance
- Security applications
- Space, science and astronomy

PRODUCTS

- Precision thin film coatings
- Optical filters
- Large area specialty coating materials
- Aerospace alloys
- Electronic packaging materials
- Metal matrix materials
- Beryllium oxide ceramics
- Beryllium structural and optical materials

TECHNOLOGY SOLUTIONS

- Strength and durability
- Thermal management
- Wear resistance
- Weight savings
- Navigation
- Precision targeting
- Reflectivity

INDUSTRIAL AND AEROSPACE

MARKETS

- Avionics/electrical systems
- Hydraulic systems
- Airframe
- Maritime
- Off-highway and mining equipment
- Plastics manufacturing
- Industrial tools

PRODUCTS

- Aerospace alloys
- Metal matrix composites
- Optical and non-optical coatings and filters
- Sensors
- Beryllium oxide ceramics
- Specialty strip metals
- Mold tooling materials
- Electronic packaging materials
- High performance bearing materials

TECHNOLOGY SOLUTIONS

- Thermal management and imaging
- Anti-corrosion
- Weight savings
- Durability and reliability
- Conductivity
- Anti-galling
- Low friction



AUTOMOTIVE ELECTRONICS

MARKETS

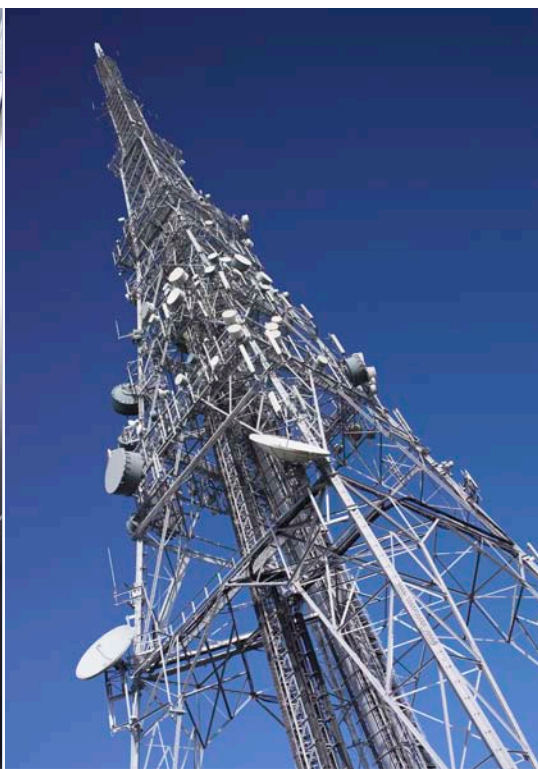
- Electronic systems and control components
- Electric power steering systems
- Lithium ion EV batteries
- Electric vehicle connectors

PRODUCTS

- High performance alloys
- Specialty strip metals

TECHNOLOGY SOLUTIONS

- Weight savings
- Conductivity
- Thermal management
- Emission reduction
- Fuel economy
- Reliability
- Longevity of service



TELECOM INFRASTRUCTURE

MARKETS

- Local area networks
- Wireless communications
- Telecom infrastructure
- Undersea cable systems

PRODUCTS

- High power thermal materials
- High performance alloys
- Beryllium oxide ceramics
- Electronics packaging materials

TECHNOLOGY SOLUTIONS

- Reliability and durability
- Thermal management
- High power transmission
- Magnetic isolation



APPLIANCE

MARKETS

- HVAC equipment
- Power tools
- Industrial and commercial appliances
- Consumer appliances

PRODUCTS

- High performance alloys

TECHNOLOGY SOLUTIONS

- Conductivity
- Reliability and longevity
- Thermal management
- Multi-functionality



MEDICAL

MARKETS

- Cardiology
- Diagnostic sensors
- Imaging
- Surgery, laparoscopic and endoscopic devices
- Laser-based medical test equipment
- Immunological diagnostics

PRODUCTS

- Inorganic chemicals
- Thin film deposition materials
- High purity and specialty materials
- Optical coating materials and optical filters
- Clad and electron beam welded materials
- Beryllium x-ray window foil
- High performance alloys
- Beryllium oxide ceramics

TECHNOLOGY SOLUTIONS

- Antimicrobial
- Non-magnetic, non-sparking
- Thermal management
- High electrical conductivity
- Biocompatibility
- Reliability

ENERGY

MARKETS

- Oil and gas exploration
- Solar/photovoltaic
- Nuclear
- Fusion
- Fuel cells
- High performance batteries
- High brightness LEDs

PRODUCTS

- High performance alloys
- Beryllium oxide ceramics
- Inorganic chemicals and powders
- Thin film physical vapor deposition materials
- Electronic packaging materials
- Thin film coatings
- Specialty strip metals
- Beryllium fusion and fission reactor components

TECHNOLOGY SOLUTIONS

- Thermal management
- Strength and durability
- Corrosion and pressure resistance
- Safety (anti-sparking)
- Anti-galling
- Nuclear power management

MATERION MAKES IT POSSIBLE

THE NO. 1 SUPPLIER

of physical vapor deposition (PVD) materials for optical applications in North America.

300+ DIFFERENT ALLOYS PROCESSED in combinations designed for high performance.

THE ONLY FULLY

INTEGRATED supplier of beryllium materials in the world.

80 YEARS OF EXPERIENCE in beryllium-based metals and composites.

50 YEARS OF EXPERIENCE in specialty inorganic materials and PVD materials.

100 YEARS OF EXPERIENCE in precious metals refining, recovery and management.

99% OF THE WORLD'S CELL PHONES are estimated to contain components made from our materials – from connectors, audio jacks and contacts to internal electronics and LEDs.

6 DIFFERENT Materion businesses are active in the burgeoning solar energy market.



MATERION

LOCATIONS

United States

Albuquerque, New Mexico
Bloomfield, Connecticut
Brewster, New York
Buellton, California
Buffalo, New York
Delta, Utah
Elmhurst, Illinois
Elmore, Ohio
Fremont, California
Lincoln, Rhode Island
Lorain, Ohio
Mayfield Heights, Ohio
Milwaukee, Wisconsin
Newburyport, Massachusetts

Reading, Pennsylvania
Santa Clara, California
Tucson, Arizona
Tyngsboro, Massachusetts
Warren, Michigan
Westford, Massachusetts
Wheatfield, New York
Windsor, Connecticut

Europe

Amsterdam, The Netherlands
Limerick, Ireland
Louny, Czech Republic
Reading, England
Stuttgart, Germany

Asia

Fukaya, Japan
Hong Kong
Incheon, Korea
Pune, India
Seoul, Korea
Shanghai, China
Singapore
Subic Bay, Philippines
Suzhou, China
Taipei, Taiwan
Tokyo, Japan

MATERION BUSINESSES

Advanced Chemicals
Barr Precision Optics & Thin Film Coatings
Brush Beryllium & Composites
Brush Performance Alloys
Ceramics

Electrofusion
Large Area Coatings
Microelectronics & Services
Natural Resources
Technical Materials

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Materion Corporation is a financially strong, \$1.3 billion (2010 annual sales) company whose stock trades on the New York Stock Exchange under the symbol MTRN.