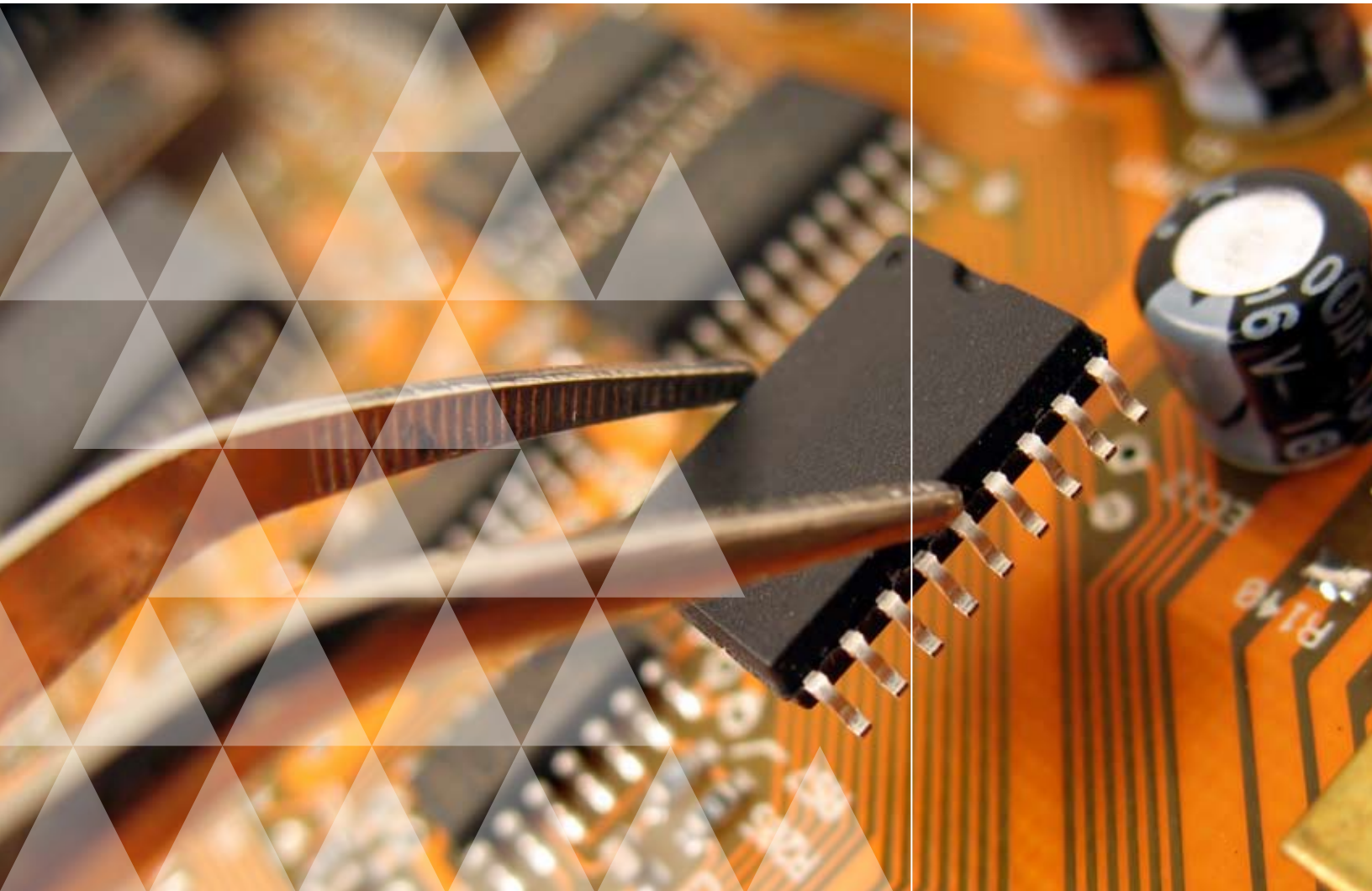
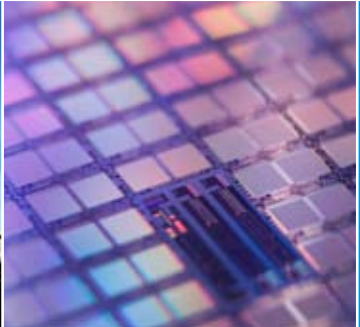
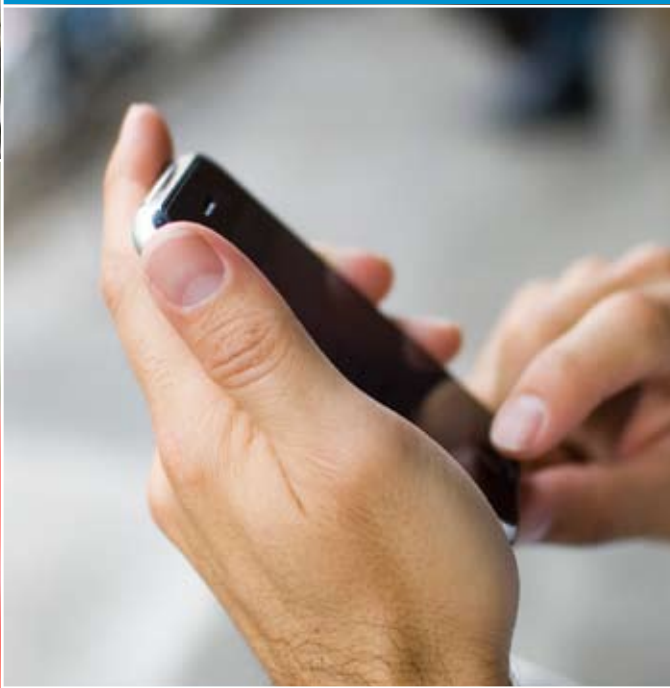




MATERION



**MICROELECTRONICS
& SERVICES**



SOLUTIONS DELIVERED



MATERION MICROELECTRONICS & SERVICES is the new name for the businesses of Williams Advanced Materials Inc., supplying thin film deposition materials, electronic packaging products, high purity and specialty materials, precision parts cleaning, and precious metals refining and recycling to the semiconductor, LED, photonics, data storage, wireless, military, medical and other markets.

Our worldwide team of expert metallurgists, chemists, engineers and service professionals can help you deliver innovative solutions for your specific requirements. Visit www.materion.com/microelectronics to learn more.

- Williams Advanced Materials Inc.
- Academy Corporation
- CERAC, incorporated
- OMC Scientific Holdings Limited
- Zentrix Technologies Inc.

MATERION

Materion Microelectronics & Services is a leading supplier of thin film deposition materials, electronic packaging products, and high purity and specialty materials. We also provide precision parts cleaning, precious metals refining and recycling and additional value-added services to our customers. We are focused on exceeding industry-specific challenges of speed and high reliability for applications such as mobile phones, wireless communications stations, LED, military and data storage.



DEEP EXPERIENCE, BROAD EXPERTISE

Materion Microelectronics & Services encompasses the rich history of Williams Advanced Materials along with the expertise and resources of Academy Corporation, CERAC, OMC Scientific and Zentrix Technologies, now integrated under the Materion brand. We are a leading provider of high-performance materials and value-added services serving dynamic companies around the world. Our promise is to continuously strive to be our Customers' First Choice™ as a partner in growth and profitability. We deliver on that promise through responsive services, innovative solutions and a lean cost structure.

FLEXIBLE AND LEAN MANUFACTURING, WHEREVER YOU NEED IT

Our production facilities around the world are strategically located close to our customer base and are designed to be flexible to their needs. We employ state-of-the-art equipment, including custom-designed machinery, to meet the ever-changing material needs of the markets and customers we serve. Our manufacturing advances have made revolutionary impacts on the materials arena, enabling a number of today's technologies to evolve.

QUALITY, COST AND SPEED

We are unique in our vertical integration with respect to precious metals, providing quality, cost and speed advantages for our customers. As part of our customers' demanding materials requirements for product quality, we analyze materials throughout our supply chain in order to consistently deliver materials with superior purity and reliability.

COMPREHENSIVE R&D RESOURCES

The accelerating pace of technical innovations has increased the importance of comprehensive R&D and pre-production capabilities. Our R&D team anticipates and partners with our customers to address the ever-evolving new materials and production technologies required to support the demand for high-performance, high-reliability material solutions that offer best-cost performance.

RESPONSIBLE STEWARDSHIP

Materion Microelectronics & Services is proud to be recognized for our world-class safety and environmental efforts. The health and welfare of people and the environment are our highest priority. We aim to achieve beyond compliance. We back that up with accreditations including, but not limited to: ISO 9001:2008 (for quality) and ISO 14001:2004 (Environmental and Safety Management systems). Please call us for further details on our accreditations.

GLOBAL RESOURCES, VALUE-ADDED SERVICES

Materion Microelectronics & Services is a global business with highly skilled employees in North America, Asia and Europe. We offer a unique combination of product development, manufacturing and value-added services. Our facilities and specialized services include:

15 STRATEGICALLY LOCATED manufacturing facilities around the globe, including sputtering target bonding facilities in North America, Asia and Europe.

4 PRECISION PARTS CLEANING FACILITIES in the U.S., Ireland and the Czech Republic, providing industry-leading parts cleaning and surface treatment of thin film deposition components.

2 DEDICATED PRECIOUS METAL REFINING OPERATIONS providing high returns and quick turnaround with demonstrable trust.

100+ YEARS OF EXPERIENCE in precious metals refining, recovery and manufacture. Our vertical integration means cost, speed and capacity availability advantages.

Microelectronics & Services

PRIMARY MARKETS SERVED

- Semiconductor
- LED
- Photonics
- Military
- Medical
- Data Storage
- Wireless
- Custom Precious Metal-based Applications

KEY PRODUCTS & SERVICES

- Thin Film Deposition Materials
- Electronic Packaging Products
- High Purity & Specialty Materials
- Precious Metals Refining & Recycling
- Precision Parts Cleaning Services

SELECT CORE TECHNOLOGIES

- Vacuum Melting
- Rolling, Annealing, Forging, Drawing & Extrusion
- Powder Metallurgy
- Atomization
- Purity Control
- Precision Machining
- Plating (including selective)
- Wire EDM
- Cladding
- High Volume Stamping
- Direct Bond Copper

- Target Bonding
- High Purity Refining
- Twin Wire Arc Spray
- Brazing



MATERION

MICROELECTRONICS & SERVICES LOCATIONS

United States

Albuquerque, New Mexico
Brewster, New York
Buffalo, New York
Milwaukee, Wisconsin
Newburyport, Massachusetts
Wheatfield, New York

Europe

Limerick, Ireland
Louny, Czech Republic

Asia

Singapore
Subic Bay, Philippines
Suzhou, China
Taipei, Taiwan

ABOUT MATERION

Materion is the new name for Brush Engineered Materials Inc., its Williams Advanced Materials Inc. subsidiary and all of the company's businesses worldwide. Materion is among the world's premier providers of advanced materials solutions and services. Now under the one Materion brand, we are better aligned to deliver a broader scope of products, services and expertise needed to drive our customers' growth and profitability and become their first choice in a partner. Materion Corporation common stock trades on the New York Stock Exchange under the symbol MTRN.

MATERION BUSINESSES

Advanced Chemicals	Electrofusion
Barr Precision Optics & Thin Film Coatings	Large Area Coatings
Brush Beryllium & Composites	Microelectronics & Services
Brush Performance Alloys	Natural Resources
Ceramics	Technical Materials

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