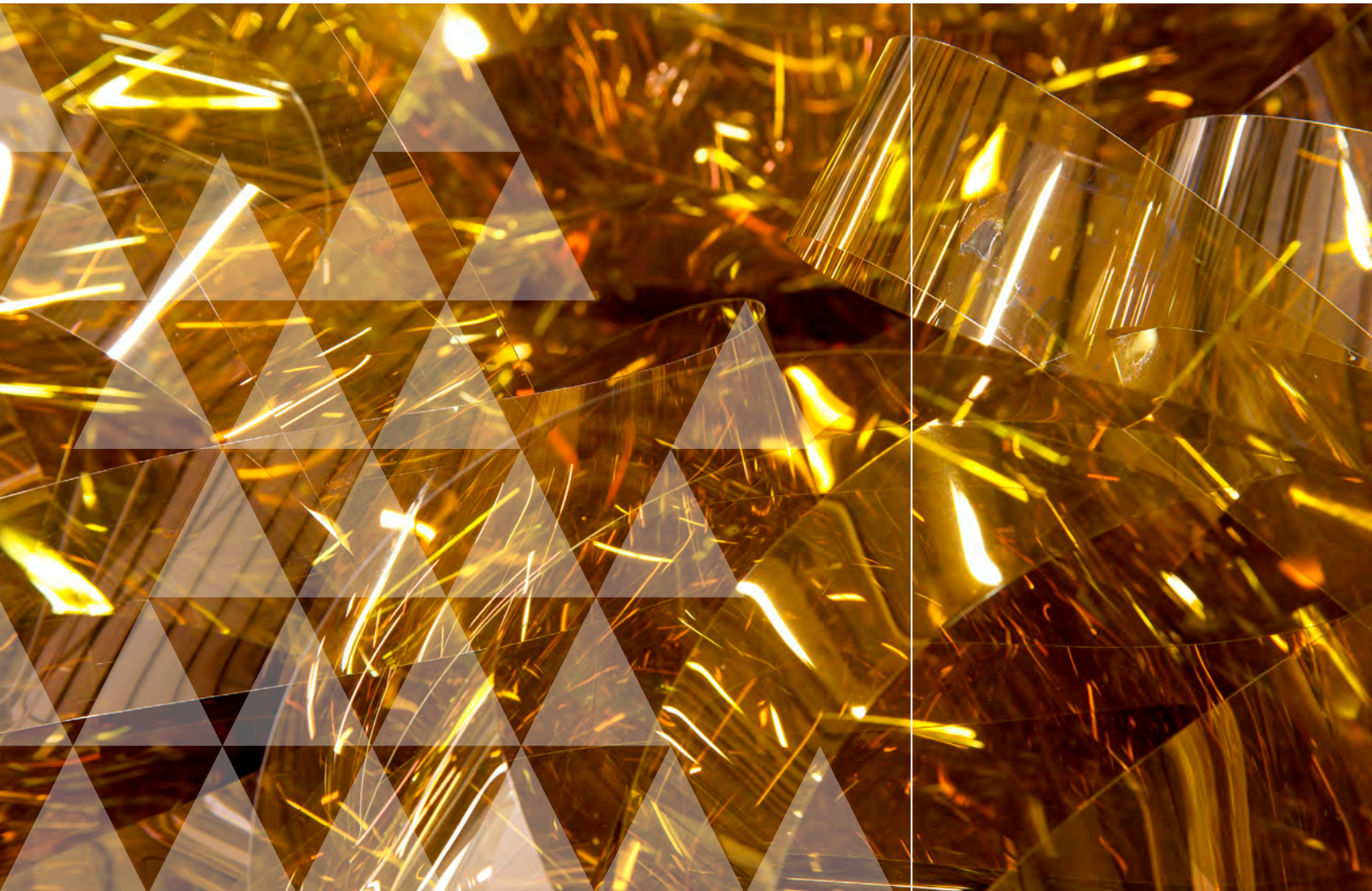
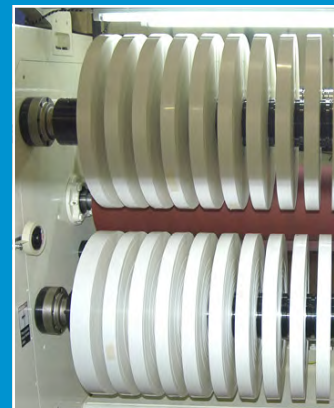




**MATERION**



**LARGE AREA  
COATINGS**



# SOLUTIONS DELIVERED

Our team of experts serves technology-driven industries that require highly reliable and repeatable flexible thin film products. Our materials provide assurance through advancements in custom product development and engineered solutions for large-scale production of sputter-coated and precision-converted film. Visit [www.materion.com/largeareacoatings](http://www.materion.com/largeareacoatings) to learn more.



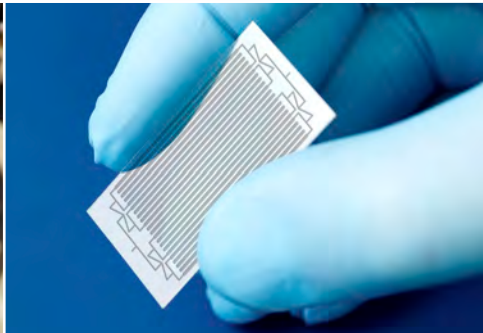


**MATERION LARGE AREA COATINGS** is the new name for Techni-Met, LLC, the former Williams Advanced Materials Inc. business specializing in the physical vapor deposition (PVD) of inorganic materials onto flexible polymeric films. We serve customers in the medical, displays, flexible electronics, aerospace and defense, alternative energy and industrial thin film markets.

- Williams Advanced Materials Inc.
- Techni-Met, LLC

▶ **MATERION**

Materion Large Area Coatings is a high-value-added manufacturer of precision-coated materials specializing in the physical vapor deposition (PVD) of inorganic materials onto flexible polymeric films. By leveraging broad resources and capabilities throughout Materion we strategically extend the supply chain for our customers, creating smarter solutions, simplified support and stronger relationships. Our focus is on meeting quality and reliability challenges. We want to be our Customers' First Choice™ solution.



# Large Area Coatings

## PRIMARY MARKETS SERVED

- Medical
- Alternative Energy
- Display Technologies
- Defense & Aerospace
- Flexible Electronics

## KEY PRODUCTS & SERVICES

- Custom Sputtered Web Coatings & Converted Film
- Sputtered Thin Film Materials with Custom Optical and / or Electrical Properties
- Precious Metal Coated Flexible Substrates
- Non-precious Metal Coated Flexible Substrates
- Barrier Films

# PRODUCTS, SERVICES, TECHNOLOGY, INNOVATION

We offer customers advanced expertise in PVD technologies, allowing them to develop new and innovative products for many different markets. Our technology, resources and expertise include:

**7** **PRECISION SPUTTERING MACHINES** for metal and inorganic thin film sputtering in widths from 12 to 62 inches.

**20+** **MILLION LINEAR FEET** shipped to customers annually.

**3** **THERE ARE 3 ISO** Class 7 clean rooms.

**100+** **YEARS OF EXPERIENCE** in collective web coating and engineered materials across our businesses.

## HIGH-PERFORMING SOLUTIONS

For more than 15 years, Materion Large Area Coatings has helped multiple industries define and develop unique sputtering and converting specifications for their own manufacturing requirements. Our proprietary processes produce the highest performing solutions available today for applications across many industries.

## CUSTOM EQUIPMENT, INNOVATIVE PROCESSES

We employ state-of-the-art equipment, including custom-designed machinery, to meet the dynamic material needs of the markets and customers we serve. Our advances have impacted thin film processes, enabling a number of innovative refinements for a technology-driven marketplace that demands precision and quality. We continuously strive to design and develop superior processes, such as our anti-reflective coating process that results in average transmission greater than 92 percent.

## CONSISTENT QUALITY AND RELIABILITY

Our vertically integrated precision web coating and material conversion capabilities make Materion Large Area Coatings an unparalleled service provider. To meet our customers' demanding requirements for product quality, we analyze materials from initial incoming inspections to large-scale production – consistently delivering materials with superior quality and reliability.

## RESPONSIVE TO RAPIDLY CHANGING MARKETS

The accelerating pace of technical innovation has increased the importance of a deep bench in intellectual property, as well as comprehensive R&D and pre-production capabilities. Our R&D team anticipates customers' needs and leverages a broad range of in-house technologies to support their demands for high-performance, high-reliability materials that offer best-cost performance. Because of our technical expertise and access to all Materion resources, we are uniquely positioned to identify, evaluate and respond to rapidly changing market needs.

## RESPONSIBLE STEWARDSHIP

Materion Large Area Coatings is proud to be recognized for our world-class safety and environmental efforts. The health and welfare of people and the surrounding 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.

## SELECT CORE TECHNOLOGIES

- Roll-to-roll Sputtering
- Precision Converting & Microslitting
- Engineered Thin Film New Product Development Services
- Precious Metal Refining & Recycling Programs



# MATERION

## LARGE AREA COATINGS LOCATIONS

### United States

Bloomfield, Connecticut  
Windsor, Connecticut

### Europe

Hungerford, England

### Asia

Singapore

## 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

## LARGE AREA COATINGS

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