



MATERION



Medical Films

LARGE AREA COATINGS



Materion Large Area Coatings provides sputter coating, converting, development services and engineering support to a wide variety of industries including: Medical, Display, Flexible Electronics, Aerospace & Defense, Alternative Energy and Industrial Thin Film Markets.

Medical Films

When providing products and services to the medical community, reliability is a prerequisite. Materion Large Area Coatings provides the worldwide medical community with unique process controls for sputtering and comprehensive experience with converting services to meet the strict requirements the medical industry demands.

Materion's experienced team of engineers understands the chemical processes and high level of precision required for dry chemistry, and how different materials used in sputtering can interact with various chemistries to achieve an end goal. An excellent understanding of materials enables us to help customers develop products for superior optical results and to understand the electrical requirements needed for medical testing.

Point of care and clinical laboratory test strips are produced by Materion that meet the most stringent and demanding specifications. Precious metals sputtering on clear and opaque films meets the aggressive standards that the medical community demands. Whether electrical or optical specifications are needed, Materion has the experience to meet customer needs for consistent mass production.

Markets/Applications:

- High precision sensors
- Implantable electrodes
- E-Stim/TENS
- Drug delivery systems
- Anti-microbial coatings

Core Competencies:

- Provides highly customized films for optimum performance and high reliability. Accuracy and controlled uniformity with repeatability are key goals in manufacturing for the medical community. Combined with precision converting with in-situ monitoring of all film, Materion is the first choice of many medical clients requiring the best in engineered precision.
- Implementation of roll to roll sputtering with precision converting can provide technical material to any manufacturing process line.
- Diabetes blood glucose testing strips, hospital test strips for distinct separate testing protocols, E-Stim pads for physical therapy, disposable test strips for many medical applications.
- PET, PEN and PI films can be sputtered using noble metals and converted into precision widths for specific design features within the medical community.
- Expertise in working with precious metals and understanding different process requirements allows us to help customers engineer the best possible product and the most cost-effective solution to their flexible film needs.



Materion is a global advanced materials company, dedicated to providing solutions that enable our customers' technologies and drive their growth. Our products include precious and non-precious specialty metals, precision optical filters, inorganic chemicals and powders, specialty coatings, specialty-engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems. The Materion business is structured to enhance our ability to provide customers with innovative, best total-cost solutions.

LARGE AREA COATINGS

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MATERION CORPORATION

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