



MATERION



**ADVANCED MATERIALS
GROUP**

Medical Industry
Support

Medical Industry Support

The Challenge

The medical industry has stringent requirements for all materials used in medical devices and applications. The highest level of purity and precise chemical composition is essential when considering thermal management, antimicrobial, biocompatibility and reliability. Manufacturing reproducibility, consistency and quality management are paramount to ensure products meet industry specifications and production is environmentally safe and controlled.

THE SOLUTION

We offer a full range of products and services to address your need for antimicrobial, biocompatibility and reliability:

Meet Stringent Regulations

- Analytical testing
- Alloy design & creation
- Full customization

Achieve Superior Performance

- High purity metals & alloys
- Quality control
- Highest degree of cleanliness

Employ High Quality Precious Metals

- Conflict-free materials
- Recycle & reclaim
- Lower cost of ownership

BENEFITS

Our broad scope of capabilities allows us to offer these advantages:

- 100+ years of experience with precious metals
- Technological expertise
- Certifications including ISO 9001:2008, ISO 14001:2004 and ISO 17025:2005
- R&D for innovative development
- Global locations for convenience and faster turn-around
- Customizable to precise requirements

SUPPORT TO THE MEDICAL INDUSTRY

Materion has experience in numerous medical and pharmaceutical applications:

- Lasers
- Robotic surgery
- Glucose testing
- Imaging
- Diagnostic sensors
- Antimicrobial
- Dental & surgical
- Implantable medical devices
- Wound treatment



MATERION ADVANCED MATERIALS GROUP, is a global supplier of premier specialty materials and services. Our offerings include precious & non-precious thin film deposition materials, inorganic chemicals and microelectronic packaging products. In addition, we have related services to meet our customers' requirements for precision parts cleaning, precious and valuable metal reclamation and R&D. We support diverse industries including medical, LED, semiconductor, data storage, precision optics, large area glass and aerospace.

PVD APPLICATIONS

We produce advanced thin film products that address a variety of applications including blood glucose strips used by diabetics, wound treatment surgical gauze, medical device components and other pharmaceuticals.

Thin Film Deposition Materials

- Sputtering targets – gold, platinum, palladium and silver (planar and rotary)
- Evaporation materials
- Consumable products

MATERIALS AVAILABLE

Our custom alloy compositions for precious and non-precious materials are comprised of:

- Silver
- Gold
- Stainless steel
- Aluminum
- Titanium
- Platinum
- Palladium
- And others

OTHER PRODUCT OFFERINGS

Some of our materials that support medical device applications include:

- Lead-free solders and braze alloys
- Platinum and platinum alloy wire and ribbon in various sizes and strengths

RELATED SUPPORT SERVICES

- Precision Parts Cleaning
- Variety of Alternative Cleaning Methods
- Surface Treatment
 - Degreasing & Passivation
 - Electropolishing
 - Twin Wire Arc Spray
- Refining & Recycling Facilities in North America and Europe

Materion Advanced Materials Group... Global Supplier to the Medical Industry

www.materion.com/advancedmaterials



GLUCOSE MONITORING TEST STRIP



PVD EVAPORATION MATERIALS



HAND-HELD MEDICAL DEVICES



WIRE AND RIBBON

Materion is a global advanced materials and services 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.

ADVANCED MATERIALS GROUP

2978 Main Street
Buffalo, NY 14214
Phone: +1 800.327.1355
www.materion.com/advancedchemicals

Europe: +441 488.686056
Asia: +65 6559.4450

MATERION CORPORATION
www.materion.com