

# IonBond

## Biocompatible Coatings

### IonBond LLC

#### Corporate Offices

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#### Medical Division

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#### Web site

www.ionbond.com

#### Founded

1979

#### Contacts

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#### Facility



#### Certification

ISO 9002

IonBond LLC is the Global Leader in the fields of Physical Vapor Deposition (PVD), Chemical Vapor Deposition (CVD) and Plasma Assisted CVD (PaCVD). IonBond has the largest selection of biocompatible coatings designed to enhance implant and instrument life and performance. Our comprehensive range of Coating Services include Technical Consultation, Application Development, Custom Fixture Design and Custom Coating Development.

For more than 15 years, IonBond has met the strict guidelines and performance requirements of the Medical Device Industry. In fact, IonBond is the leading supplier of protective thin film PVD coatings for a variety of medical devices, including orthopedic implants, pacemakers, surgical instruments, orthodontic devices and dental instruments.

### IonBond® Coatings Provide Solutions

- Biocompatibility
- Improved Wear/Abrasion Resistance
- Reduced Friction
- Excellent Adhesion to Accepted Biomaterials
- Stable Colors for Coding and Identification
- Biologic In-Growth Surfaces
- Chemical Barrier Layers (Saline Solutions, Sterilization, Fretting Corrosion, Many Acids)



IonBond® Coatings make your devices, implants and instruments more distinctive in appearance and more infection resistant. Most importantly, our coatings are biocompatible and are acceptable for use with external and internal devices that come into contact with bone, skin, tissue or blood. We have conducted the biocompatibility test protocol according to ISO 10993-1 with an independent qualified laboratory for all of the biocompatible products that we offer. This data is available from IonBond, LLC. and provided as proof that the coatings we offer as deposited by our proprietary technologies are meeting the biocompatible standards of the industry.

### BioCompatible Products

- TiN - Titanium Nitride
- ZrN - Zirconium Nitride
- CrN - Chrome Nitride
- TiAlN - Titanium Aluminum Nitride
- AlTiN - Aluminum Titanium Nitride
- TetraBond®
- MoST®
- TST - Titanium Surface Technology

### Our Practical and Technical Expertise is the Key Ingredient in Meeting Our Customers' Needs

#### Technical & Operational Capabilities

IonBond, LLC. is an ISO-9002 certified company and our Medical Device Coating Service Center located in Northeast New Jersey is FDA compliant and equipped with state-of-the-art equipment. Including: Precision Cleaning Systems, Custom Comp, Automated Coating Process, Materials Science Laboratory (located in Michigan and New Jersey).

Our Northeast Medical Device Coating Service Center is uniquely qualified to service your needs, offering: Professional Account Management, Technical Consultation on Applications & Materials, Full Metallurgical Analysis Capabilities, SO Driven Engineering Contract Review, Responsive Customer Service, Automated Process & Document Control, Uncompromising Quality Assurance, including Certification and Access to Internal "Failure Analysis" with Full Reporting, 100% Lot Integrity and Traceability, Fully Dedicated Coating Cycles; Eliminating Potential for Cross-Contamination of Product, IonBond® & Customer Specific Coating Specifications

Our many years of experience and dedication to the Medical Device Industry make IonBond LLC your 1st choice as the single source partner for Coating Technologies, Biocompatible Coatings, Professional and Technical Support.

**To get on the IonBond Partnership track, contact our  
Medical Device Coating Center of Excellence Hotline: (973) 586-4720.**