

Coating Solutions

| BIOMEDICAL | FUNCTIONS PROVIDED |
|----------------------|--|
| Stents | Drug Delivery, Radiopacity |
| Guide Wires | Radiopacity |
| Orthopedic Implants | Osseointegration, Antimicrobial, Wear Resistance |
| Dental Implants | Osseointegration, Antimicrobial |
| Vena Cava Filters | Radiopacity |
| Embolic Coils | Drug Delivery |
| Surgical Instruments | Antimicrobial, Wear Resistance |

| INDUSTRIAL | FUNCTIONS PROVIDED |
|----------------------------|------------------------------------|
| Solar Thermal Tubes | Absorber Coatings |
| Solar Collectors & Getters | Efficiency Improvement |
| Superconducting Ribbons | Exterior Metal Coatings |
| Optical Lenses | Reflection, Efficiency Improvement |

CONTACT US FOR MORE COATING SOLUTIONS



SPUTTERING EQUIPMENT

Cathodes - Isoflux is recognized as the world's leading manufacturer of inverted cylindrical magnetron sputtering cathodes. We offer several standard cathode designs and can also deliver customized designs to fit specific coating needs.

Complete Systems - Isoflux can provide turnkey coating systems or work with your equipment manufacturer to integrate our cathodes into your system.

COATING DEVELOPMENT

Isoflux has the expertise and tools to develop a wide variety of coatings for specific applications. We interact with you as an extension of your R&D department to quickly achieve results that satisfy the most demanding requirements.

COATING SERVICES

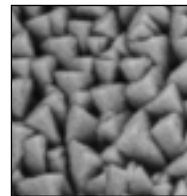
Isoflux provides coating services to save your company the time and cost of implementing your own in-house manufacturing operation.

LICENSING

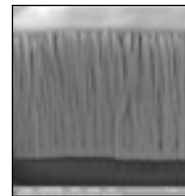
Isoflux licenses coatings for a number of applications. If you have a specific coating need, ask us what we have to offer.

ISOFLUX SPUTTERING TECHNOLOGY

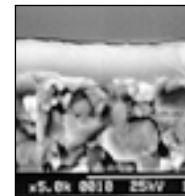
We produce coatings of a large number of **metals, alloys, oxides** and **nitrides**. We can achieve coating structures ranging from **dense to nanoporous and flexible**. And, our cylindrical cathode technology is especially well suited for producing **uniform coatings on three dimensional parts** and for **coating precious metals** since the highest possible recovery of target material is achieved.



Tantalum on PEEK
(from above)



Tantalum on Nitinol
(cross-section)



Aluminum Oxide
(smooth layer) on
Tungsten Carbide

COATINGS FOR:

- | | |
|------------------|-----------------------|
| Radiopacity | Diffusion Barrier |
| Drug Delivery | Electrical Insulation |
| Echogenicity | Thermal Insulation |
| Antimicrobial | Corrosion Resistance |
| Biocompatibility | Catalytic Enhancement |
| Wear Resistance | EMI Shielding |

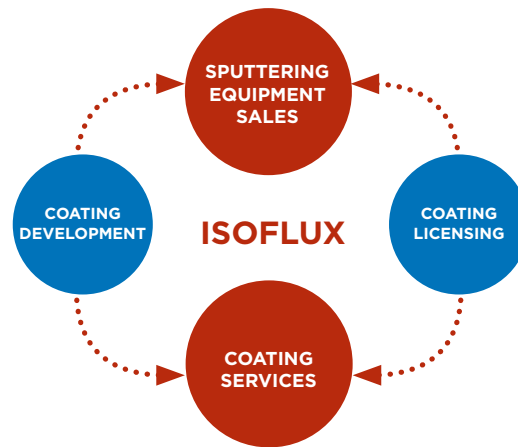
A world leader in cylindrical magnetron sputtering technology.



Today more than ever, value added coatings are an absolute must in order to make your products stand out in the crowd, and the right partners can provide a true competitive advantage. That's why design engineers and manufacturers look to us for expertise in solving their toughest coating challenges as they develop marketplace-changing products.

The Isoflux team is an accomplished group of specialists who hold numerous patents in surface engineering technology. With decades of combined experience in the development of coating processes and equipment, we deliver the surface functionality you need to bring your product to market – so you can offer your customers the valuable features and reliable outcomes they demand.

Isoflux is a world leader in commercializing innovative surface engineering technology. We develop customized inorganic coatings and plasma surface treatments for a wide variety of applications, and our proprietary equipment and processes are attracting the attention of leading innovators world-wide.



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a world leader

in cylindrical
magnetron
sputtering
technology.



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