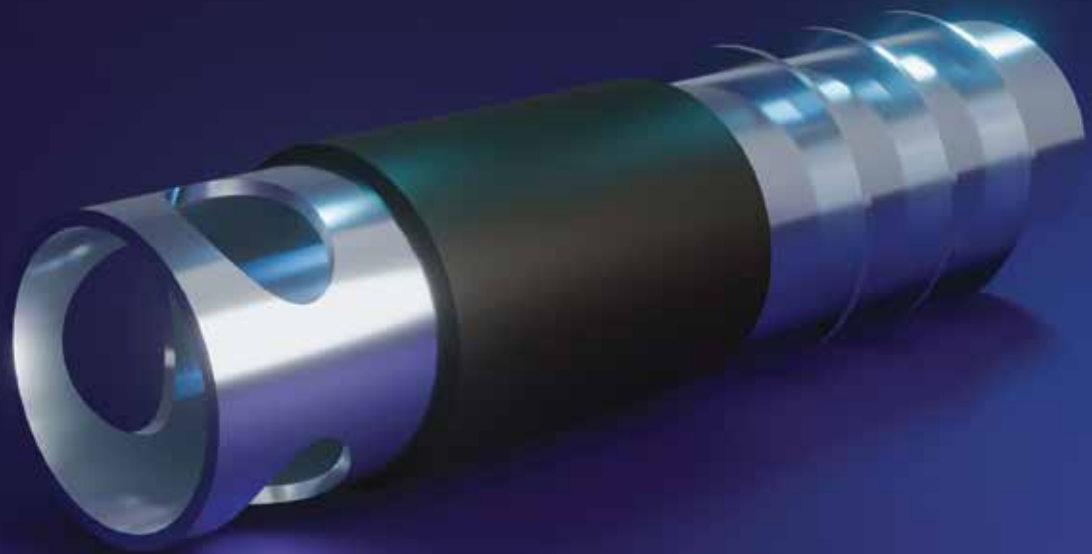


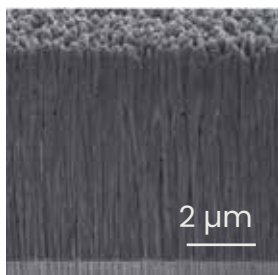


TECHNICAL DATASHEET

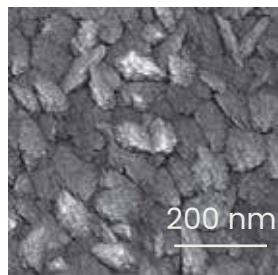
Coatings and Surface Solutions



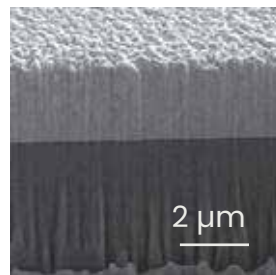
MARKET	MATERIAL	FEATURES
CRM	TiN	High surface area, high charge transfer, chemical stability, biocompatibility, electrical conductivity, reduced impedance
Neurostimulation	Pt/10Ir, IrOx	High surface area, high charge transfer, enhanced electrochemical activity, biocompatibility, electrical conductivity, low impedance
Electrophysiology	Pt/10Ir, TiN, IrOx, Pt	High surface area, high charge transfer, enhanced electrochemical activity, biocompatibility, electrical conductivity, low impedance
Orthopedics	Platinum group metals, Silver-based coatings	Anti-bacterial, Anti-microbial
Cochlear	IrOx, Pt/10Ir	High surface area, high charge transfer, enhanced electrochemical activity, biocompatibility, electrical conductivity, low impedance
Vascular Intervention	Platinum group metals	Chemical stability, biocompatibility, enhanced radiopacity and increased visibility to x-rays



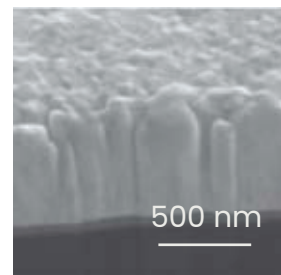
TiN Coating
deposited on
Pt-10% Ir alloy



IrOx film
deposited on
Pt-10% Ir alloy



Pt film
deposited on
Nitinol tube



Pt film
deposited
on polymer
(PEEK) sheet