

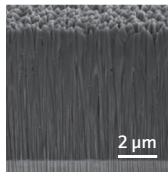


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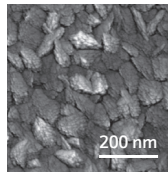
Coatings and surface solutions technical sheet



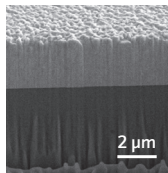
Market	Material	Features
CRM	TiN	High surface area, high charge transfer, chemical stability, biocompatibility, electrical conductivity, reduced impedance
Neurostimulation	Pt/Ir, IrOx	High surface area, high charge transfer, enhanced electrochemical activity, biocompatibility, electrical conductivity, low impedance
Electrophysiology	Pt/Ir, TiN, IrOx, Pt	High surface area, high charge transfer, enhanced electrochemical activity, biocompatibility, electrical conductivity, low impedance
Orthopedics	Platinum group metals and Ag based coatings	Anti-bacterial anti-microbial properties
Cochlear	IrOx, Pt/Ir	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



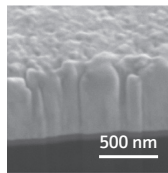
TiN coating deposited on Pt-10% Ir alloy



IrOx film deposited on Pt-10% Ir alloy



Pt film deposited on nitinol tube



Pt film deposited on polymer sheet (PEEK)

To find out more visit matthey.com

To get in touch email medicalinfo@jmsusa.com
or call +1-610-648-8000

