



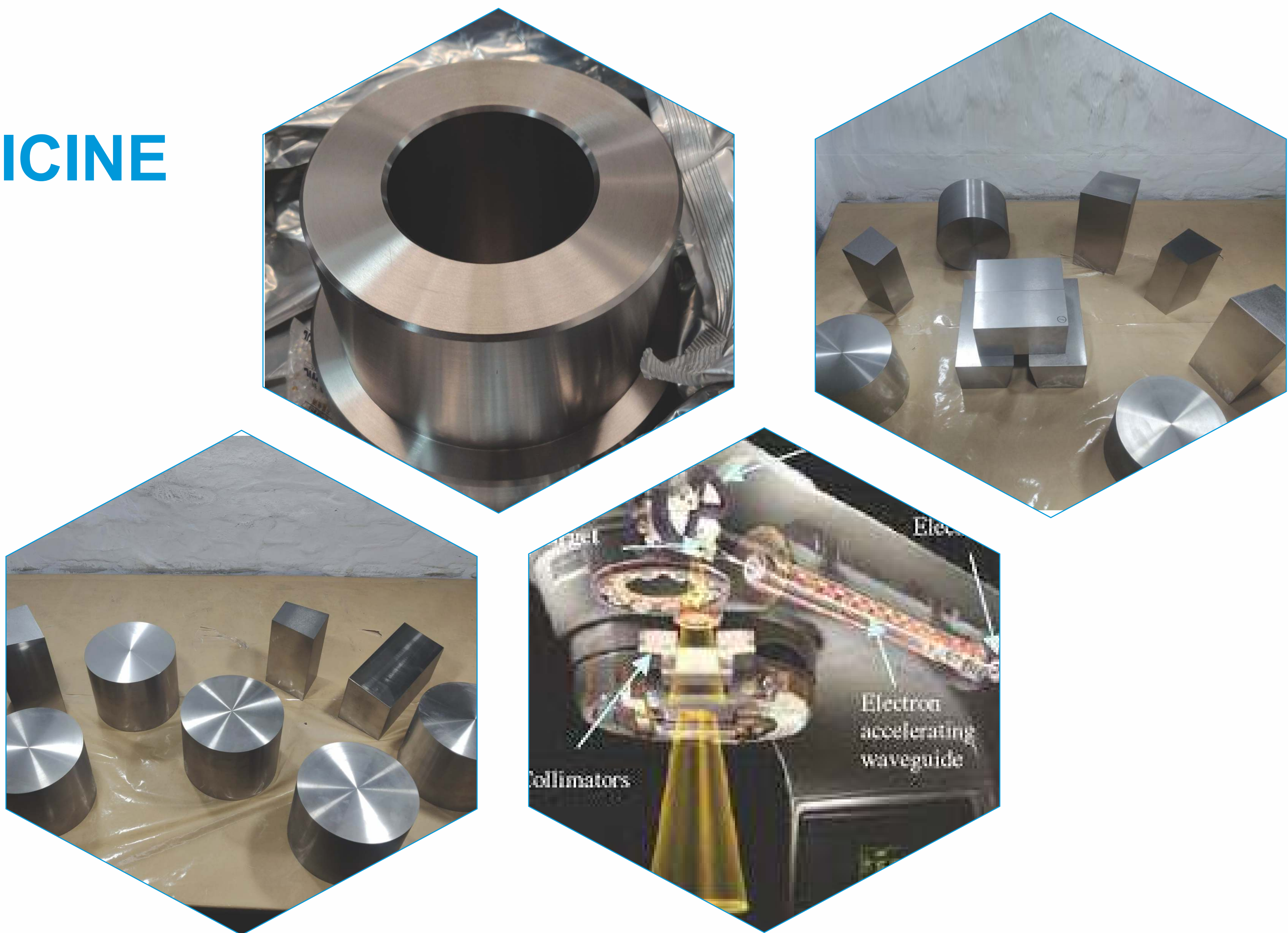
HIGH PERFORMANCE METAL SOLUTIONS

MATERIALS FOR NUCLEAR MEDICINE

Tungsten Alloy Shapes

- Wire
- Rod
- Strip
- Sheet
- Foil

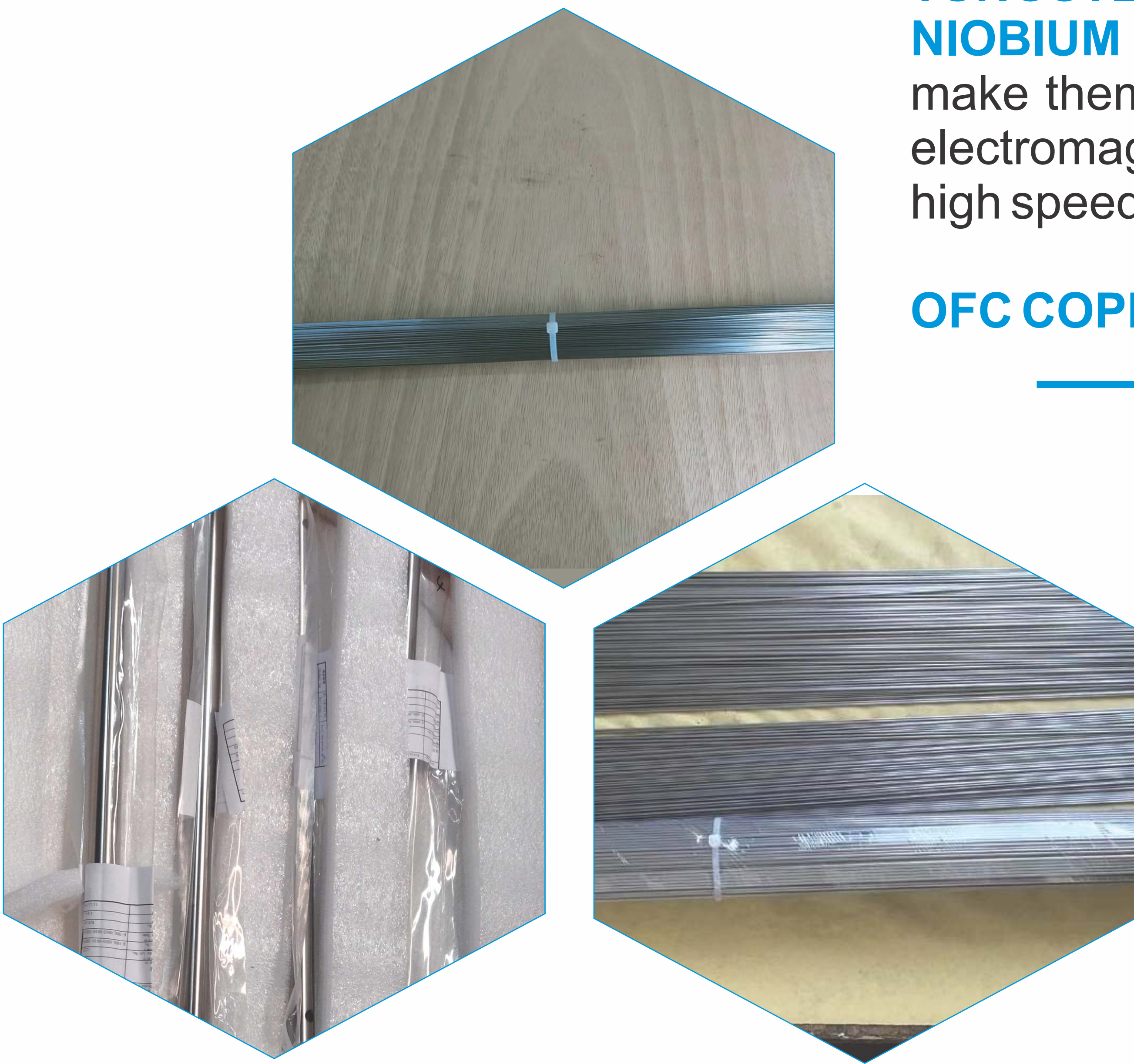
Tungsten Alloy Powders
for 3d binder jet printing



FABRICATED PRODUCTS FOR NUCLEAR MEDICINE

Materials	Fabricated Products	Application	End use
Tungsten Alloys	Isotope Containers	Cancer Treatment “After loader”	Radioactive Source Handling Components Brachytherapy Tc99m Generator
Tungsten Alloys	- Syringe Covers	- Radioactive Isotope Shielding - Vial Shielding	- Radioactive Isotope Injection
Tungsten Alloys	- PET SEPTA Plates - Gamma Camera	- Collimation & Shielding	- Pet Scanners
Tungsten Alloy Powders	- Collimator 3D Printed Parts	- Collimators - Anti-Scatter Grids - Binder Jet Printing	- Gamma Camera

SUPERCONDUCTING MATERIALS FOR ELECTRO-MAGNETIC FIELDS
OF CHARGED PARTICLES



TUNGSTEN (W) ALLOYS are used as Beam Collimators & Shields
NIOBIUM (NB) & TANTALUM (TA) METALS have unique properties that make them the primary choice for superconducting material to create the electromagnetic field that steer and propel the charged particles to very high speeds.

OFC COPPER -OFE COPPER – SS 316L have unique Properties for EMF

Applications:

- MRI & NMR Medical Equipment
- Mass Spectroscopy
- Nuclear Fusion Research Equipment
- Magnetic Levitation - Particle Accelerators
- Superconductors - Beam Blockers
- Targets - Shielding Blocks
- RF Cavities & Supporting Parts
- Calorimeters

HIGH GRADE MATERIALS FOR IRRADIATION

Materials	Form
IRIDIUM	Discs/Pellets
COBALT	Discs/Pellets/Cylinder
PLATINUM-PLATINUM/IRIDIUM	Wire
GOLD	Seeds

W, Mo, Nb & Ta Metals are supplied under arrangement with HC Stark Solutions.

Saru Smelting Pvt. Ltd.

www.sarushielding.com | sales@sarushielding.com



ISO
9001



ISO
14001



ISO
45001

OVER
70 YEARS
EXPERIENCE