

We Bring

# THE **GOOD** STATIC **DISCHARGE**

for Industrial Life



**TANTALUM**  
I n d i a



leading Manufacturers and Sellers of various types

# TANTALUM

[www.tantalumindia.in](http://www.tantalumindia.in)

## Company Profile

At our organisation, we work with the vision of providing high level of satisfaction to chemical process industries through our quality assured and reliable solutions. Established 25 years ago, today, we are leading manufacturers and sellers of various types of high standard, corrosion resistant Tantalum Tips, Tantalum Repair Kits, Tantalum Bolts/Studs and Nuts. We take pride to have dealt with many Chemical, Petrochemical, Agrochemical, Paper & Pulp and Pharmaceutical Industries in India who have standardised on our products with regular repeat orders. Our organisation functions with true Teamwork and believes in maintaining the quality of the product.

## Tantalum

Tantalum is one of the most corrosion resistant metal to be used commonly in the industries at present. One of the reasons for tantalum's extreme corrosion resistant property in aggressive medium is the presence of naturally occurring oxide film on its surface. Tantalum is almost completely immune to attack by acids and liquid metals. It equals glass in resistance to acids and is inert to practically all organic and inorganic compounds. Tantalum's thermal and electrical conductivity is much more efficient in compared to most metals.

### Some of Our Products



**PTFE Lined T.P. with Tantalum Tip**

Available for 25 NB Pipe to 100 NB Pipe up to 3000mm Long  
Suitable for up to 400 NB Nozzle.



**Tantalum Earthing Plug**

Size : M5 to M8 x  
Length 12mm to 20 mm



**F.B.V. With Tantalum Tip**

Size : 150 x 100 mm  
100 x 80 mm  
80 x 50 mm



**Thermometer Pocket**

Size : 10 mm to 40 mm  
Diameter x up to  
3000 mm long



### Tantalum Tip

Size :- M12 / M16 and M20  
Single and Two Pieces.



### Tantalum Stud Nut and Bolt

Size :- M5 to  
M18 x 500 mm Long



### Tantalum Repair Kit

Domed Disc Size :- 18 to 200  
Diameter Thickness 1 to 2 mm  
Stud Nut M5 to M12 x up to  
60 mm Long



### Tantalum Slew for Agitator

Size :- 10 to 50 mm  
Diameter x 200 mm Long



### Tantalum Rod

Size :- 4 to 32mm  
Diameter x 1000 mm Long  
3000 mm Long upon Request.



### Tantalum Sheet

Size :- 0.5 to 3mm  
1000 x 1000 mm Big Size  
available upon Request.



### Tantalum Crucible

Size : 100 ml. to 1 Ltr.



### Tantalum Clit & Wire

Wire : Size : 0.5 to 2 mm  
Clit : As per Requirement

### Tantalum Propertys

Classification:	Tantalum is a transition metal
Colour:	Grey
Atomic weight:	180.947
State:	Solid
Melting point:	2,996 °C (5,425 °F)
Boiling point:	5,425 °C (9,797 °F)
Density @ 20°C:	16.6 g/cm <sup>3</sup>
Hardness:	6.5 mohs
Specific heat capacity	0.14 J g <sup>-1</sup> K <sup>-1</sup>
Reaction with air	None
Reaction with 15 M HNO <sub>3</sub>	None
Reaction with 6 M HCL	None
Reaction with 6 M NaOH	None
Thermal Conductivity	57.5 W m <sup>-1</sup> K <sup>-1</sup>
Electrical Conductivity	8.1 x 10 <sup>6</sup> S m <sup>-1</sup>

### Standard Specifications

Tantalum Ingot – ASTM B364
Tantalum Rod and Wire – ASTM B365
Tantalum Tubing – ASTM B521
Tantalum Sheet, Plate, Strip and Foil – ASTM B708
Medical Grade Tantalum – ASTM F560

### Tantalum Alloys (UNS Codes)

Unalloyed Tantalum (EB Melted) – R005200
Unalloyed Tantalum (Powder Metallurgy Grade) – R05400
Tantalum 2.5% Tungsten – R05252
Tantalum 10% Tungsten – R05255



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