

TUNGSTEN HEAVY ALLOYS

The Future.....Today!

Time has suddenly uncovered a vast world of opportunity in man's search for the new & the unknown. In this quest, Tungsten Heavy Alloy with its high Density and Strength has come to occupy centre-stage in modern DEFENCE technology.

Heavy Alloy Penetrator Project, Trichy, one among 42 Ordnance Factories, under the control of Ordnance Factory Board, Kolkata, and Department of Defence Production has developed variety of Tungsten Heavy Alloy Products and thus has endowed the country with the technology of future, today.

HAPP has a largest POWDER METALLURGY PLANT in INDIA with the following huge Production Facilities:

- High Temperature Controlled Atmosphere Sintering Furnaces
- High Vacuum Furnaces
- Hydrogen Reduction Annealing Furnaces
- High Pressure Cold Iso-static Presses
- Rotary Swaging Machines
- Ball Mills & Mixers
- Ultrasonic Testing Facilities
- Modern Machining Facilities



	Tungsten Alloy Pre-fragments	Tungsten Alloy Blanks
Products	Spheres, Cubes & Cuboids	Blanks
Sizes	2 to 20 mm	Dia15 to 30 mm length up to 550 mm
Density	17 to 18.5 g/cc	17 to 18 g/cc
Hardness	250 to 350 Hv	300 to 500 Hv
Tungsten Alloys	Any PM Components as per customer's requirement	

2.8 MM CUBE

BALANCINGWEIGHT

6MM SPHERE

5 MM CUBE

CUBOID

CONTACT US



The General Manager,
Heavy Alloy Penetrator Project
Trichy - 620025,
Tamil Nadu, India
Fax : 0431- 2581891
Ph :0431-2581803-2581809
e Mail : happ.ofb@nic.in



The Secretary,
Ordnance Factory Board
(Civil Trade &Export)
10-A, S. K. Bose Road,
Kolkata - 700 001, INDIA.
Fax:033-22481748,22486903
Ph:033-22488541-44