

Committed to Excellence in Industrial Metal Solutions & Instrumentation



Tricom Resource (Est. 2011 in Pune) is a Trusted importer & exporter of rare earth metal & precious metals and supply in powder, ingot, bars & granules etc. form.

Tricom Analytical & Engineering Co. into Instrumentation business and provides solution for Analytical and field instrumentation range such as pH, Cond, ORP, Flow, Temp, Level, Mass Flow Meter etc.

Raw Materials



Aluminum

Aluminum (Al) is a metalloid with atomic number 13 and atomic mass 26.98 g/mol. It melts at 660.3 °C and boils at 2519 °C.



Cobalt

Cobalt is a hard, silver-gray metal used in batteries, alloys, magnets, and pigments for its strength and magnetic properties.



Antimony

Antimony (Sb) is a silvery, hard, and brittle metal with atomic number 51 and a scaly crystal structure.



Copper

Copper is a reddish-brown metal with high conductivity, used in wiring, electronics, and plumbing.



Bismuth

Bismuth is a heavy metal with a low melting point and expands as it solidifies.



Europium

Europium is a soft, silvery rare earth metal used in LEDs, screens, and banknote security for its strong luminescence.



Boron

Boron is a dark, lightweight metalloid powder with both metallic & non-metallic properties.



Gadolinium

Gadolinium is a silvery rare earth metal known for its strong magnetic & neutron-absorbing properties.



Cadmium

Cadmium is a toxic metal from zinc mining, harmful to health and strictly regulated.



Gallium

Gallium is a high-purity metal used in semiconductors, solar cells, and electronics, available in granules or shots.



Chromium

Chromium (Cr) is a hard, shiny metal used in stainless steel, plating, dyes, and refractories for its corrosion resistance.



Germanium

Germanium is a hard, brittle metalloid valued for its excellent semiconductor properties in electronics. It is a hard, brittle metalloid valued for its excellent semiconductor properties in electronics.



Gold

Gold is a valuable yellow metal known for its conductivity, corrosion resistance, and easy-to-shape softness.



Indium

Indium is available in 99.99%+ purity (3N, 4N, 5N) and comes in powder, ingot, lump, or granule form to suit various applications.



Iridium

Iridium is a hard, brittle, silvery-white metal, known for its high density and exceptional corrosion resistance. It is part of the platinum group metals (PGMs).



Iron

Iron is a strong, magnetic, silvery-gray metal, widely used and essential to modern infrastructure and industry.



Lead

Lead is a heavy, soft, bluish-gray metal known for its high density, corrosion resistance, and radiation shielding properties.



Magnesium

Magnesium is a lightweight, silvery-white metal known for its strength-to-weight ratio, excellent machinability, and use in alloys, aerospace, and electronics.



Manganese

Manganese is a hard, brittle, gray-white metal used mainly as an alloy to enhance the strength, hardness, and wear resistance of steel.



Molybdenum

Molybdenum is a hard, silvery-gray metal with high corrosion resistance and a very high melting point, ideal for extreme temperatures and pressures.



Nickel

Nickel is a strong, silvery-white metal valued for its corrosion resistance and key role in forming alloys like stainless steel.



Niobium

Niobium is a soft, gray metal known for its strength, corrosion resistance, and heat tolerance, commonly used to enhance metal alloys.



Neodymium

Neodymium is a silvery-white rare earth metal best known for its powerful magnetic properties, widely used in high-performance magnets.



Palladium

Palladium is a rare, silvery-white metal from the platinum group, prized for its catalytic efficiency, corrosion resistance, and broad industrial use.



Platinum

Platinum is a dense, silvery-white precious metal known for its malleability, corrosion resistance, and use in industry, medicine, and jewelry.



Praseodymium

Praseodymium is a soft, silvery rare earth metal used in magnets, colored glass, ceramics, and high-temperature applications.



Rhodium

Rhodium is a rare, silvery-white metal prized for its reflectivity, corrosion resistance, and hardness, mainly used as a catalyst in automotive converters.



Ruthenium

Ruthenium is a rare, hard, silvery-white metal from the platinum group. It's highly resistant to wear and corrosion, often used to harden platinum and palladium, and valued in electronics for its excellent conductivity.



Samarium

Samarium is a silvery rare earth metal used in strong, heat-resistant SmCo magnets, nuclear reactors as a neutron absorber, and in optical glasses and ceramics.



Selenium

Selenium is used in digital X-ray sensors for medical imaging, like mammography, and in CIGS solar cells. Its precise doping capability and stable supply make it valuable for advanced technologies.



Silver

Silver is a soft, white metal with the highest electrical and thermal conductivity. It's used in jewelry, electronics, solar panels, and medical products for its antibacterial properties.



Tantalum

Tantalum is a rare, hard metal with excellent corrosion resistance and a high melting point. It's used in electronics, aerospace parts, and medical implants.



Tellurium

Tellurium is a brittle, silvery-white metalloid used in alloys for better machinability and corrosion resistance, and in thermoelectric devices to convert heat into electricity.



Tin

Tin is a soft, corrosion-resistant metal used for coating metals, solder alloys, bronze, and electronics.



Titanium

Titanium is a strong, lightweight, corrosion-resistant metal used in aerospace, medical implants, marine gear, and sports equipment.



Tungsten

Tungsten is a dense, hard metal with the highest melting point (3422°C), used in filaments, electrical contacts, cutting tools, and aerospace.



Vanadium

Vanadium is a hard, silvery-gray metal used to strengthen and improve corrosion resistance in steel alloys.



Yttrium

Ytterbium metal (Yb) is high-purity ($\geq 99.9\%$) rare earth metal, supplied in 7–10 mm chunks, vacuum-sealed to prevent oxidation, with 250 grams per bottle.



Zinc

Zinc is a bluish-white metal known for its anti-corrosion properties, used in galvanizing steel, brass, alloys, and batteries.



Zirconium

Zirconium is a strong, gray-white metal resistant to heat and corrosion, used in nuclear reactors, aerospace, chemical equipment, and surgical tools.

Systems & Equipments

Flow Meter



Flow Meter Types:

- Magnetic Flow Meter
- Coriolis Mass Flow Meter
- Clamp-on Type Flow Meter
- Size Range: ½" and above

Application:

- Drinking Water
- ETP/STP
- Pharma/API/Water Treatment
- Industrial Water
- Chemical Process

Pressure Transmitter



Application:

- Drinking Water
- ETP/STP
- Pharma/API/Water Treatment
- Industrial Water
- Chemical Process

Temperature Transmitter



Types of Temperature Transmitters:

- Head Mounted
- DIN Rail Mounted
- Clamp-on Type Flow Meter
- Hazardous Area

Application:

- Drinking Water
- ETP/STP
- Pharma/API/Water Treatment
- Industrial Water
- Chemical Process

Level Transmitter



Types of Level Transmitter:

- Radar Type
- Ultrasonic Level

Application:

- Drinking Water
- ETP/STP
- Pharma/API/Water Treatment
- Industrial Water
- Chemical Process
- Coal Bunker Application

COD-BOD-TSS-pH



To measure COD-BOD-TSS-pH as per CPCB / SPCB requirement

Application:

- ETP/STP
- With Data Connectivity

pH / ORP Analyser



Types of pH / ORP Analyser:

- 2-wire
- 4-wire Type

Application:

- Power Plants
- Neutralisation
- Industrial Water
- Scrubbing
- Drinking Water
- ETP / STP

Process (Chemical / Pharma / API / Water treatment etc.
Ready to explore new application

Conductivity / TDS / Resistivity Analyser



Application:

- Drinking Water
- ETP/STP
- Pharma/API/Water Treatment
- Industrial Water
- Chemical Process
- Coal Bunker Application

DO Analyser



DO Analyzers Types:

- Amperometric Type
- ppb/ppm level Dissolved Oxygen (DO) Analyzers
- Optical Type

Application:

- Power Plant
- STP/ETP Inlet & Outlet Monitoring
- Aeration Tanks

Turbidity / Total Suspended Analyser



Turbidity Types:

- Turbidity: Optical Type – 90° Light Scattering
- TSS: Optical Type – 180° Light Scattering

Application:

- Drinking Water
- ETP/STP
- Treated Water
- Sea Water

Special Parameters



Application:

- TN / TP (Single and Dual Channel)
- Total Chromium (in steel industry)
- Silica High Range (0-10 upto 100 ppm)
- Iron Analyser (in Power Plant)
- Sodium Analyser
- Phosphate
- Fluoride
- Aluminium
- Color
- Hardness Analyser

SHS & Accessories



Application:

- Sample Handling System
- SWAS (Steam and water analysis)
- CRCA MOC Rack
- Die-cast aluminium Ex-proof enclosure
- Sample Cooler
- Chiller
- Purge Panel

Lab Instruments / Accessories / Consumables



Types of Lab Instruments:

- pH Meter
- Conductivity Meters
- Resistivity Meters
- Ion Meters
- Dissolved Oxygen (DO) Meters
- Electrodes / Standard and solutions
- ORP Meters
- TDS Meters
- Salinity Meters
- Turbidity Meters
- Buffers



Contact Us

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