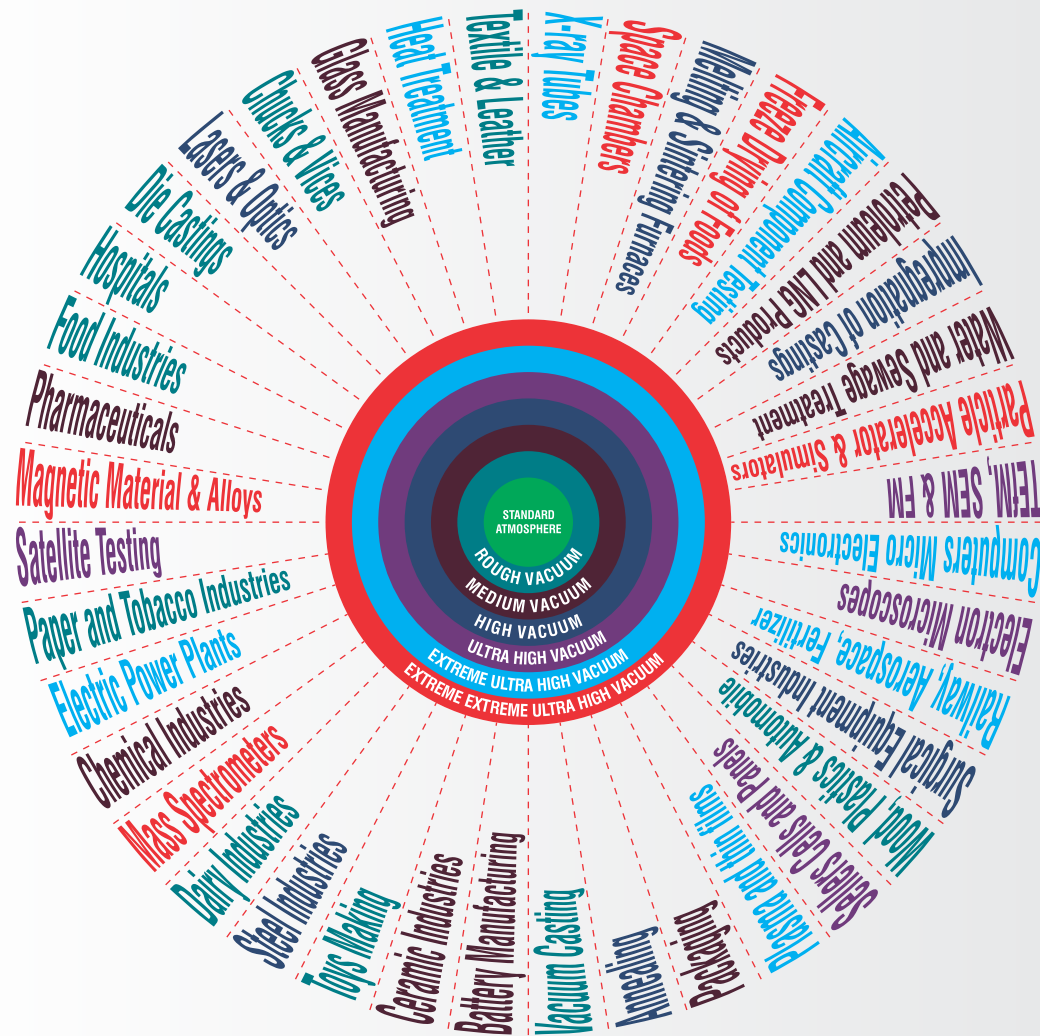




# INTERNATIONAL VACUUM CENTER



Manufacturing - Trade - Import - Export - Training - Services




# IVC OFFERS PROFESSIONAL SERVICES

Repair & maintenance of all following state of the art equipments, systems & industrial plants:

Vacuum Pumps: Liquid ring, rotary, roots, turbo-molecular, ion, diffusion, ejector etc. 

Vacuum Gauges : Bourdon, capacitance, thermocouple, pirani, hot & cold cathode, etc. 


Vacuum Valves: Bellow-sealed, gate, globe, magnetic, motorized, electro-pneumatic, etc. 


Vacuum Traps: Ice, liquid nitrogen, oil mist filters, baffles, etc. 

Leak Detection Techniques: Vacuum and pressure leak detection, etc. 

Vacuum switches: All ranges and types. 

Mass-spectrometers: Monopole and Quadropole 

Vacuum Control and Display: All Types of coating and other systems 

Leak Detectors: Halogen and helium leak detectors, etc. 

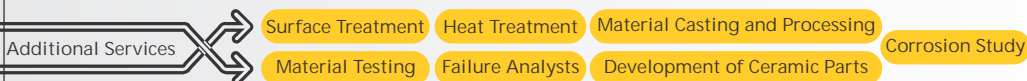
**Special Services:**

- Cleaning / purification of used vacuum pump oil.
- Analysis of vacuum pump oil and fluids.
- Temporary leak sealants
- Degassing of transformer, x-ray machine oil.

**Attention:** Presence of leaks in any laboratory or Industrial system, spoils the products, increases the evacuation time and subsequently increases the electric bill. To avoid these losses, IVC offers modern leak testing and leak rectifying services.

Design and development of all type of vacuum systems and plants

Vacuum Gauge Calibration Services (For Rough to Ultra-High Vacuum)



State of the art facilities are available to investigate problems in materials and their characterization. We offer consultancy services as well as collaborative research and development in material related problems.

**Material Testing and Characterization**

1. **Magnetic properties measurements.**
2. **Micro structural examination of engineering materials Optical/SEM/TEM)**
3. **Non-destructive :Eddy current, Ultrasonic, Radiography, XRD, DSC, Chemical analysis.**
4. **Mechanical testing both standard and custom designed. Tests include tensile, compression, shear, bend, impact, torsion, fatigue and creep at cryogenic, ambient and elevated temperatures. Macro and micro hardness testing of metals and non-metals.**

**Material Casting and Processing**  
Special steels, super alloys, soft and hard magnetic

**Development of Ceramic Parts**  
Precision ceramic and Piezzo components

**Surface Treatment**

1. Testing of coatings include: Thickness measurement, corrosion testing, scratch testing and wear testing.
2. We can coat ceramic, cermets and pure metals through variety of coating processes.

**Failure Analysis**  
Failure analysis of components in aerospace, oil, gas, power plants and marine applications

**Heat Treatment**  
In ambient and vacuum environment inert and reactive atmosphere, Nitriding, boriding and carburizing

**Corrosion Study**  
Investigation of corrosion susceptibility of materials and products. Determination of various types of corrosive failures such as stress corrosion galvanic corrosion, crevice corrosion.



### Deals in

- All types of
- Vacuum Pumps
  - Vacuum Gauges
  - Vacuum Gauge Calibrations
  - Vacuum Valves
  - Vacuum Oils and Greases
  - O' rings, Clamps, Cross, Elbows, Tees, Reducers, Bellows, Rubber Hoses
  - Leak Sealants
  - Vacuum Leak Testing
  - System Design
  - Plant Evaluation
  - Plant Modification and Up-gradation
  - Vacuum Chambers
  - Vacuum Systems
  - Industrial Plants
  - Repair / Maintenance
  - Advisory Services

### Specialized Services

- Vacuum Materials
- Vacuum Furnaces
- Vacuum Cleaners
- Vacuum Sealers
- Vacuum Conveyors
- Vacuum Packaging
- Vacuum Coatings
- Freezers Dryers
- Nano Technology Systems
- Energy Technologies
- Plasma Displays
- Bio - Interfaces
- Solar Cells & Panels
- Foods and Beverages
- Electric Bulbs & Tubes
- Soap & Detergents
- LED & Solar Heater
- Electric Wire & Cable
- Air Conditioning Plants and Chillers

