

PRODUCT CATALOGUE



Fiable

Unlocking Success Together

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Our STORY



FIABLE is established by one of the leading industry experts having 18 years of industrial experience in Special processes, Composites, Surface treatment, Semi-conductor, PVD, CVD, and PECVD coating processes, etc., We operate PAN India. FIABLE is a strategic product supplier and consultation firm, our key mantra of us is "Reliable Strategic Partner".

Fioble is one of India's fast-growing notable strategic product suppliers of Consumable, Spares, Components, Evaporation sources, Vacuum measurement gauges, and Thin film coatings Substrate. We are committed to delivering the parts with high quality, on time, and defect-free claims at a competitive price.

Also, we have the capability to meet customized customer requirements from various sectors. We are also supplying consumables to fulfill the demands in Special processes, Composites, Surface treatment, Semi-conductor, PVD, CVD, and PECVD coating process, etc.,

FIABLE also offers consultant support for Quality Lab, Special process plant, and clean room setups. Our high-quality multi-branded products and consultation services are integral to multiple fields, including Aerospace, Automotive, Electronic, Machinery manufacturing, Space, and Defence.



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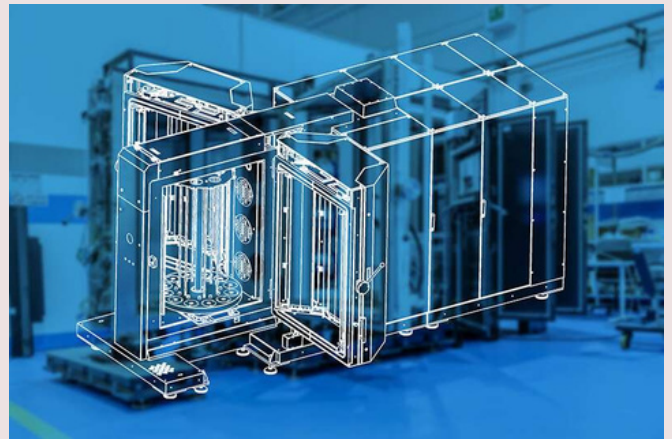
Our PRODUCTS

Imported PVD & PVED Coating Machines

All our machines are designed to be able to install different technologies (Cathodic Arc, Magnetron Sputtering, Plasma Beam Source etc.) to ensure high productivity, high repeatability of the coating and its performance, low costs and innovative solutions based on customer needs.

Our Machines is suitable for

- Batches
- Flexline
- Customised
- Surface activation systems



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Our PRODUCTS

Bench PVD Coater



Desktop Thermal



Desktop DC Magnetron
Sputtering Coater



High power DC Magnetron
Sputtering Coater



Low Vacuum Sputter
and Carbon Coaters



High Vacuum Sputter and Carbon
Coaters for SEM



Desktop Thermal
Evaporation Coater



High Vacuum Multiple
Source Sputter Coaters



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Our PRODUCTS

Crystals, Wafers, Substrates

Available Single crystals, Substrates and wafers are high pure, some of them are Silicon, GaN, Cu, AlN, ZnO, LiF, Ge, SiO₂, MgO, MgF₂, GaAs, TiO₂, etc., also we are supporting the customer by supplying the products according to customized requirements as size, polishing, grade and other customized technical requirements



Evaporation Materials

Evaporation materials are available in various compositions and shapes (Chunk, Foil, Ingot, Pellet, Powder, Rod, Shot, Slug, Tablet, Wire) from Commercial grade purity to super high purity (99.9% to 99.999%). It has diverse applications like Glass Coatings, Display, Conductive Coating, Decorative Coatings, Optical, Data Storage, Photovoltaics, Semiconductor, and Wear Resistance coatings.

Sputtering Target Materials

Sputtering target materials are available in various compositions and shapes (round, rectangular,)

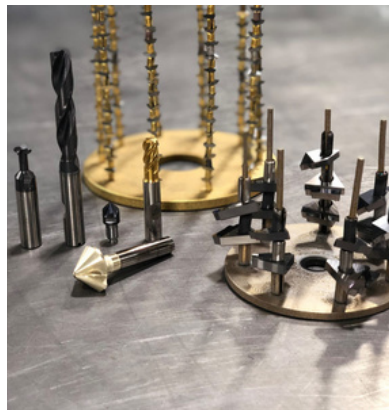
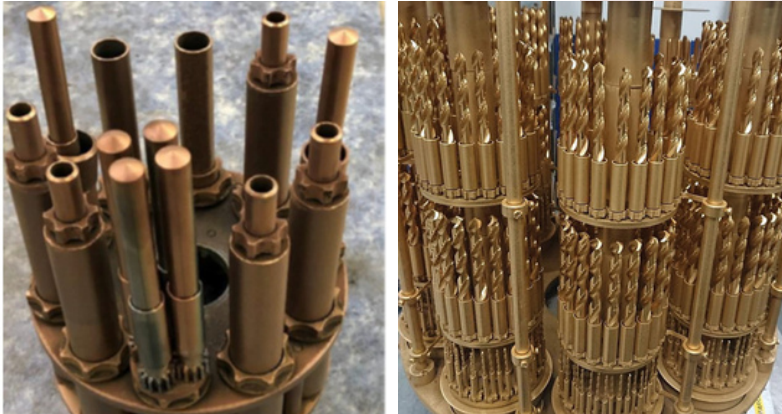
1. Metallic & Elemental Sputtering Targets
2. Oxide Sputtering Targets
3. Alloy Sputtering Targets
4. Compound Sputtering Targets
5. Isotope Sputtering Targets



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Our PRODUCTS



Jigs for PVD Coating Process

Jigs are very important to load the substrate and for uniform coating. The tools are placed on the rotary holder called mandrels and operate on the principle of planetary gearing. The entire rotary holder rotates about its axis, also the tool carrier mandrels. The last elementary movement is the rotation of the coated tool itself. This movement is necessary to coat the entire surface of the tool evenly. Planetary movement is also one of the very important aspects of the coating process, since it's necessary to synchronize the rotation of the planets on the mandrels themselves with the coating current. Tool movements around its axis are ensured by so-called Flickers / kickers rings see in the above images. it's a steel part that is clamped on a rotating planet or on a fixed rotary housing structure (location depends on the diameter of the tool to be coated). Some of the other common steel items are Sticks, Spacers, Housing base, carousel, etc.,



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Our PRODUCTS

Rotary Vane Pumps

We are supplying the leading multi-brand dry and oil lubricated rotary vane vacuum pumps for the wide range of applications. Rotary vane pumps are used where an ultimate vacuum between a few mbar and down to 10^{-3} mbar has to be attained. They are the ideal solution for a wide range of laboratory and process applications that require low ultimate vacuum at medium to increased gas flow rate. Typical applications are degassing, Vacuum coating systems, lyophilisation, fine vacuum distillation, and drying chambers



Turbo Molecular Pumps



FIABLE offer robust, industry-leading multi-brand Turbomolecular vacuum pumps and controllers that deliver complete Solution across a wide range of applications in the field of academia, research, nanotechnologies, analytical instrumentation, and industries. We have capability of supplying various sizes and suitable models as per the customized applications.

Our PRODUCTS

Vacuum Components:

FIABLE offers a range of vacuum fittings, system components, and valves. Components maintain a consistent vacuum with our range of gate valves, isolation valves, feedthroughs, adapters, hoses, couples, nipples, tees for any type of flange (ConFlat, Clamp, and ISO). Also ensure a reliable seal with our vacuum sealants, lubricants, and vacuum greases.



Vacuum Valves



FIABLE provides the various types, sizes of vacuum valves for specific customized applications. Many different important parameters to be considered while choosing the right valve. For example, the decision as to which valve should complement your system is based on the question of whether the valve should have a purely isolating function or a controlling function. Another important thing to be considered is the space available in your vacuum systems.

1. Isolation valves: Angle valves, Inline Valves, Ball valves, Butterfly valves, Diaphragm valves, High Vacuum gate valves, UHV gate valves, vent valves and Pressure relief valves
2. Pressure control valves: Gas regulating valves, Gas dosing valves



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Our PRODUCTS

Oil Diffusion Pumps



FIABLE provides rugged design, industry-leading multi-brand oil diffusion pumps which are high vacuum pumps without any rotating parts. The pumping action of the fluid entrainment pumps is based on the transporting capacity of the vapour jet. Compared to other high vacuum pumps, the pumping speed of diffusion pumps is extremely high enough with respect to the in-take area. The operating pressure range varies from 10^{-2} mbar and 10^{-7} mbar. The pumping speed depends on the pump size and the pump with an additional ejector nozzle provide a stable pumping speed into the medium vacuum range. It is ideal for critical applications such as vacuum coating, metalizing, brazing, and heat treatment.

We offer a broad range of pump types and sizes with multiple flange options, as well as different input voltages. so you can find the right pump to fit your application. The wide range of accessories includes heaters, baffles, cold caps, and thermal protection switches to keep your downtime to a minimum.

Our PRODUCTS

COMPOSITES

FIABLE is well known organization for Composites consumable supplies and Expertise in TECHNICAL requirements. We gained confidence and fame from our esteemed customer by consistent supply of right product on-time without any defects. Our complete knowledge on composite consumables requirements, Raw materials and storage requirements, moulds and Quality testing requirements has given a first position among our competitors. FIABLE is continuing its journey as most trustable, economic and Reliable Strategic Partner by time bound Quality product supply with all necessary documents.

Some of the product lists:

Vacuum consumables:

- Vacuum bagging film
- Release Films
- Peel ply
- Breather (N4 and N7) & Bleeder
- Pressure sensitive tapes
- Vacuum hoses & Pumps
- Adhesives
- Fabrics
- Paint Strippers /Detergent
- Protective Films and papers
- Film Adhesives
- Release Agents
- Primers / surface filters
- Resins
- Sealants
- Tapes (Velcro, Sealants etc)

Raw materials:

- Glass fiber (Single end & Multi end roving, chopped strands and Woven roving), Carbon fiber (PAN based & PITCH based), Resin type
- Graphite powder, adhesive compounds, Micro Filler, Micro balloons, Premier and Top coats.

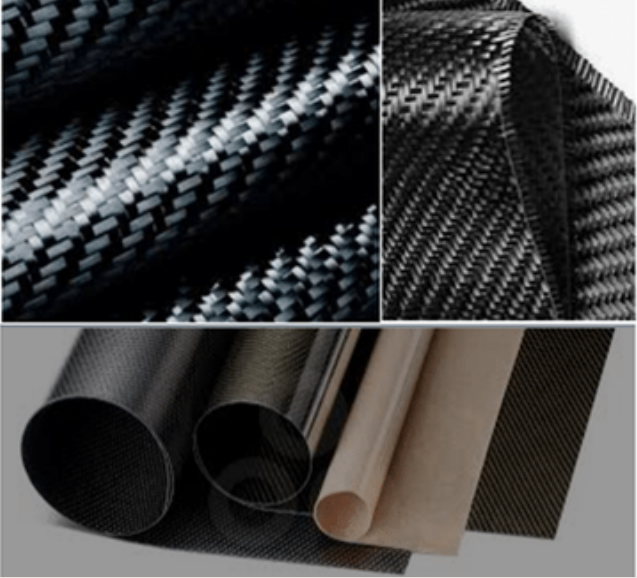


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Our PRODUCTS

PREPREG Composites



Carbon fiber roving



Breather & Bleeder



Graphite Powder

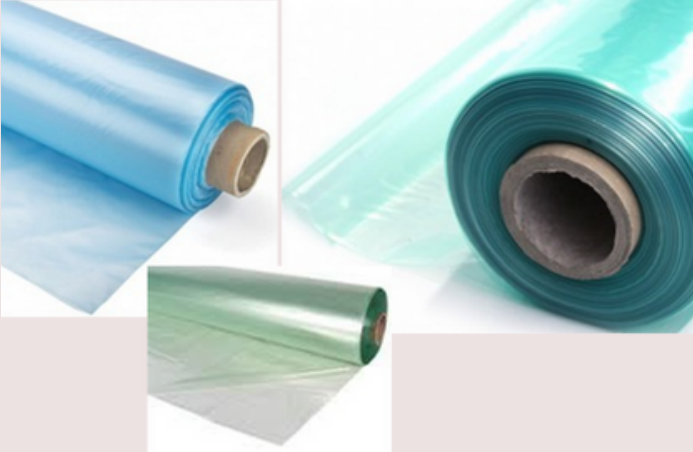


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Our PRODUCTS

Vacuum bagging film



Peel Ply



Sealing Tapes (Both HT & Low Temp.)



Clamps and other Fastening components:



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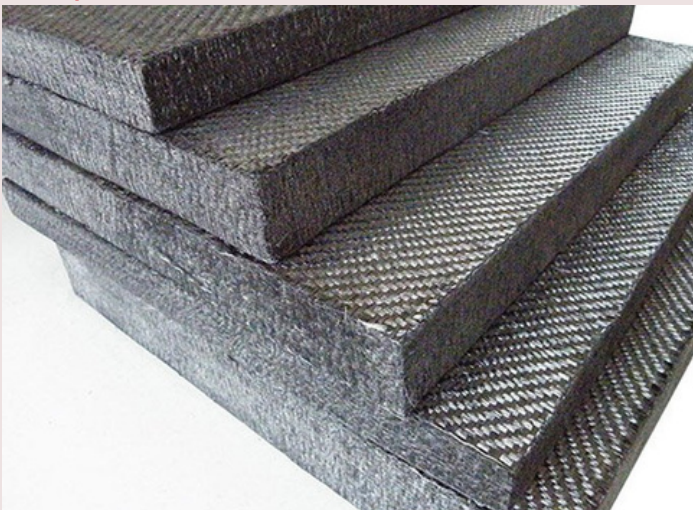
Ceramic Heaters



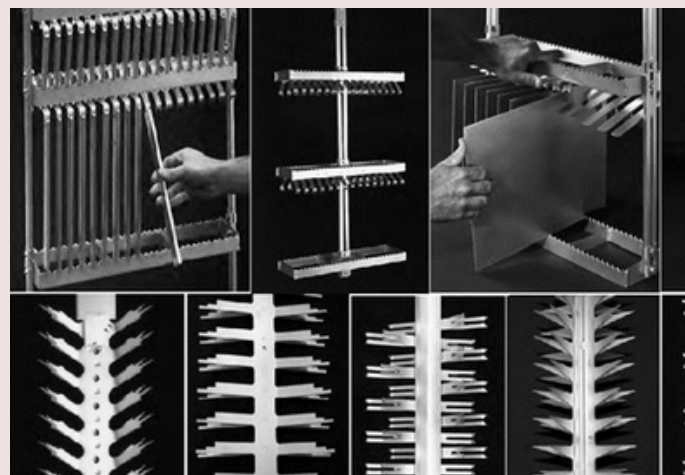
SS Flanges



Graphite Insulation Boards



Surface Treatment jigs and Fixtures



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Our PRODUCTS

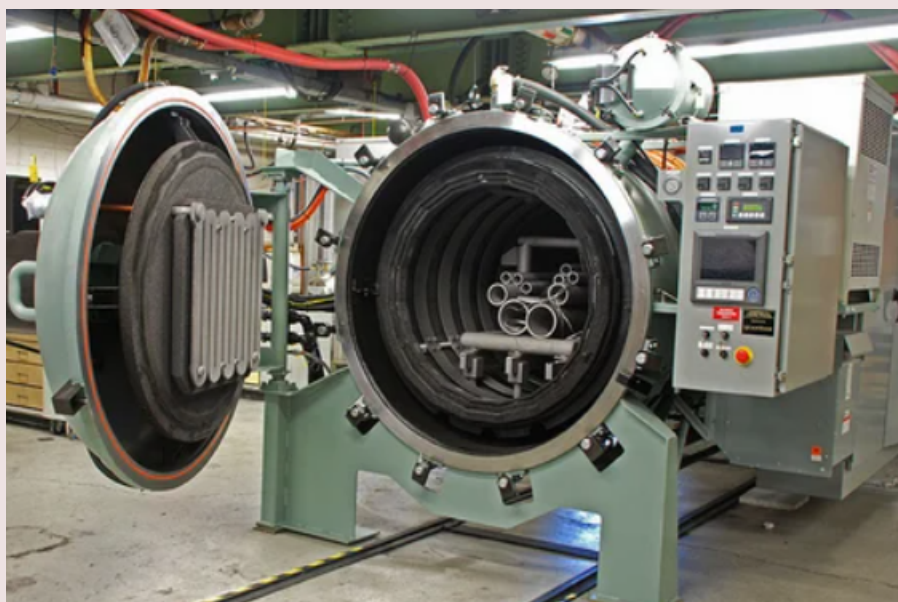
Chemical & Paints



Weighing Scale & Force Guage



High Vacuum Heat Treatment Furnace



CLIENTS & PARTNERS

The customer is at
the heart of
everything we do.

OUR VALUABLE CLIENTS



PARTNERS

We are the Authorized distributor for



UK based company Specialists in vacuum technology, thin film material deposition systems, analytical research equipment, AFM, SEM thin-film coaters, bespoke scientific glassware

Protec Surface Technologies, Italy based company who is a manufacturing of PVD and PECVD coating systems for both decorative and technical applications.



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Why FIABLE



1 Sourcing by technical or product specialist



2 We save time and you can focus on other operations



3 Category expertise and knowledge that can be applied to your firm



4 On-demand resources that are scalable to the project requirements



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CONTACT US TODAY

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