VESHTECH EQUIPMENT
Reliability You Can Trust, Batch After Batch.

Vesh Tech Equipments

Unit No No. 2,3,Near- Shivshambhu Temple,Tungareshwar Road, Western Highway
NH48 Near Tungar Phata , Vasai (East), Palghar - 401 208 (Maharashtra) , INDIA

Empowering Industries with Engineering Excellence

PREMIUM QUALITY
MADE IN INDIA
PREMIUM QUALITY

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www.veshtechequipments.com

Introduction

Vesh Tech Equipment stands as a leading manufacturer and innovator of industrial machinery and processing systems, headquartered in Mumbai, Maharashtra, India. Our state-of-the-art solutions are engineered to meet the unique demands of sectors like:

- Pharmaceuticals
- Chemicals
- Food Processing
- Laboratories

and more...

We specialize in advanced equipment such as lump breakers, vacuum powder transfer systems, and other automated processing units, designed with cutting-edge technology to boost operational efficiency across industries.

Let’s Build Smart, Sustainable, and Future-Ready Engineering Solutions

At Vesh Tech Equipments, we combine innovation, precision, and efficiency to deliver high-quality engineering solutions tailored to your industrial needs. Whether it’s advanced containment systems or customized fabrication, we’re committed to engineering excellence.

➢ Exceptional Quality & Durability:-

We pride ourselves on the durability and quality of our products. Vesh Tech Equipment's are built to last, ensuring long-term value and reliable performance, even in the most demanding environments.

➢ Comprehensive After-Sales Support:-

We believe in building lasting relationships with our clients. That's why we offer robust after-sales support, including maintenance, troubleshooting, and training, so you can make the most of your Vesh Tech products.

➢ Competitive Pricing:-

We offer competitive pricing without compromising on quality. Vesh Tech Equipments ensures you get the best value for your investment, helping you maximize your budget while getting top-notch products.

➢ Tailored Solutions:-

We understand that each project or business has its own unique challenges. That's why we offer customized solutions that are specifically tailored to your needs. Our team works closely with you to provide the best equipment for optimal performance.

➢ Sustainability Commitment

We're committed to sustainability. Our products are designed with eco-friendly materials and efficient energy use, allowing you to stay environmentally conscious while benefiting from top-tier equipment

Glove Box

A glove box is a closed enclosure typically made from Acrylic or Stainless steel and fitted with glove ports. This glove box is used to create controlled environment inside the chamber to handle sensitive materials or preform miscellaneous operations that require contamination free working zone. It is commonly used in a variety of sectors such as pharmaceutical, scientific laboratories, production units and other industrial sectors.

The internal atmosphere of a glove box can be controlled to suit specific requirements. Commonly, the box is purged with inert gases, such as nitrogen or argon, to create an oxygen-free or moisture-free environment. Some glove boxes also feature additional controls for temperature, humidity, and filtration to meet specialized needs.

Glove boxes find applications in various fields, including chemistry, pharmaceuticals, nanotechnology, electronics, and nuclear research. They are particularly useful when working with hazardous substances, sensitive materials, or processes that require protection from contamination

SS Glove box

Details of glove box dimensions >>>

- Stainless steel 1.4301 (AISI 304/316)
- Different sizes for 2, 3, 4 gloves
- Modular design for high flexibility (expandable)
- HEPA H14 filters
- LED inside
- Front window in toughen Glass, easy to disassemble
- Levelling feet and solid base stand with castors

Gas Purifier

Filter columns for the removal of O2 and H2O

- Achievable values for O2 and H2O < 1 ppm
- Fully automated purification and regeneration
- For glove boxes up to 2,6 m³
- X-Line (1 filter column)
- GS ECO-Safety Mode < 100 W for standard system
- Siemens PLC with 7“ colour touch screen
- Intuitive GS software
- Recording of values for O2, H2O and pressure for 5 days

Accessories

- Solvent vapour removal
- Freezer up to −40 °C
- Microscope
- Further individualized solutions available

Details of glove box dimensions >>>

Antechambers

- Standard antechambers (purging) in *d* = 400 mm and *d* = 150 mm
- Glass doors for *d* = 400 mm antechambers
- Optional: Easy-Close-System (inner door closes automatically)
- Different antechamber sizes and shapes available
- Unloading via Liner-System
- Alpha / beta ports
- Heating option available

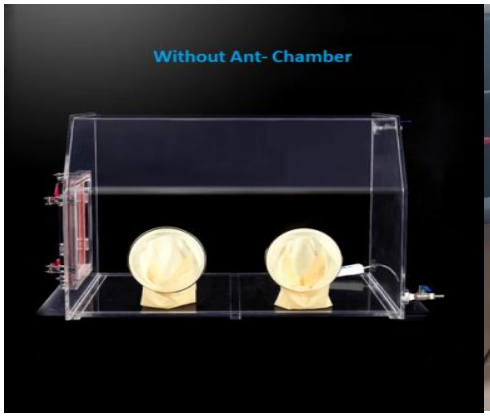
Details of antechambers >>>

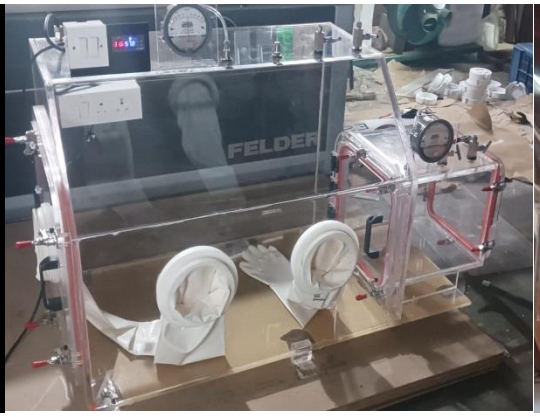
Accessories

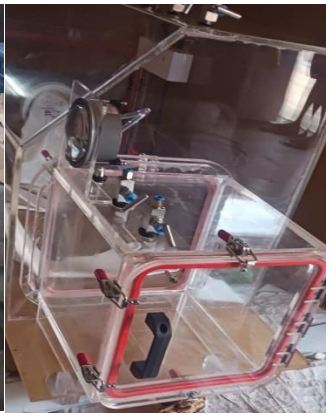
- Inertization and sensors for O_2, H_2O and pressure
- Solvent vapour removal (also regenerative)
- Waste bag
- Laminar-Flow-Module
- High temperature furnace
- Mass spectrometer
- Further individualized solutions available

Acrylic Glove Box

Transparent glove boxes are made with thick 6mm or 10mm acrylic sheets and are available with or without vacuum function. Basically there are two types of acrylic gloves boxes are available; one that comes with main chamber only without vacuum and second main chamber with Ante Chamber with vacuum. These acrylic plastic glove boxes are considered most economical solution for inert atmosphere application. We are acrylic glove box manufacturers, suppliers and exporters in India. Our acrylic / plastic glove boxes are supplied at reliable prices in India. In addition to some standard models, we also make customized acrylic glove boxes with availability of optional accessories including vacuum pump, humidity controller, oxygen controller, pressure controller and dew point analyzer etc.







MODEL	MAIN CHAMBER (W*D*H)	THICKNESS	Anti-Chamber	SIDE DOOR
VTE-AGB-2F	600*500*550 mm	10 mm	300*300*300mm	300*300 mm
VTE-AGB-2.5F	750*500*550 mm	10 mm	300*300*300mm	300*300 mm
VTE-AGB-3F	900*500*550 mm	10 mm	300*300*300mm	300*300 mm
VTE-AGB-3.5F	1050*500*550 mm	10 mm	300*300*300mm	300*300 mm
VTE-AGB-4F	1200*500*550 mm	10 mm	300*300*300mm	300*300 mm

Powder Transfer systems

A powder transfer system is an efficient & reliable method to transfer powdered & granular materials. It is a significant enhancement to any conventional, mechanical, or pneumatic material conveying process and provides total dust-free means of material transfer. Powder transfer system being very compact is specifically installed where space is a constraint. It also provides the easiest method of material handling automation with minimum modifications required at an existing setup.

Powder transfer system (Transfer) conveys material vertically or horizontally to and from process machines. The technology allows direct loading of powder into mixers, closed-hoppers, vessels, reactors, etc. in a safe way preventing dust formation during transfer

Models Available of Powder Transfer Systems

MODEL	DESCRIPTION	Capacity
VTE-100	PTS-100	1.0TPH to 2.0 TPH
VTE-200	PTS-200	2.0 TPH to 3.0 TPH
VTE-300	PTS-300	3.0 TPH to 4.0 TPH
VTE- 400	PTS-400	4.0 TPH to 5.0 TPH

Vacuum Transfer Systems

The Vacuum transfer system is unique dry material transfer system for dust free and avoid to human touch. The vacuum transfer system is used in Pharmaceutical, Food, Agro Chemical, Sugar Industries and chemical. The system is use full for inline milling, sifting, blending, loading and unloading.

The principle of vacuum transfer has been proven to be a better way to move many types of material and a giant step over manual handling. The technology exists for moving virtually any material that can be pulled through a hose or tube. The system is consisting of Blower, Vacuum receiver system with filter, cyclone filter and Pipe.

Features

- Check sieving becomes a part of the completely enclosed material transfer operation, rather than a separately performed function.
- Vacuum conveying system draws material into the chamber above the vibrating screen, through the screen and out to the next element in the conveying system.
- Action on the screen can be viewed through the transparent cover.
- Foreign objects remain on the screen and can be removed by unclamping the cover or inserting a vacuum probe into an access port above the screen.
- All Material contacts parts are 304 or 316L stainless steel and are easily disassembled for cleaning by releasing quick-acting clamps.
- Other process operations, such as milling, can be performed in the same clean, efficient conveying cycle.
- Gyratory action easily adjustable for different materials and meshes.

The rate at which material can be conveyed through a vacuum conveying system using an sieve will vary depending upon the characteristics of the material. Many systems are operating at rates up to 4 tons per hour and higher rates are being achieved in some instances. Samples of your material can be run in VTS Test Lab to determine practical throughput rates.

Specifications

- Decks: Single with quick release clamps for easy cleaning
- Suspension: Rubber, Long Life anti-vibration mounts
- Vibrators: Independent, with massive long life bearings and high centrifugal force twin weights that are adjustable for amplitude
- Motor: 2HP, 3HP, 5HP TEFC, 230/380, 3 phases, 60 HZ, 1750 RPM.

4. Lump Breaker

Main features
1. Fast size reduction of lumps or agglomerates
2. Product size: 0.5-20 mm
3. Process capacity: 80-1500 kg/h
4. Product particle size is adjustable by changing sieves
5. Customizable options include side hatches, loading hoppers, and floor stands

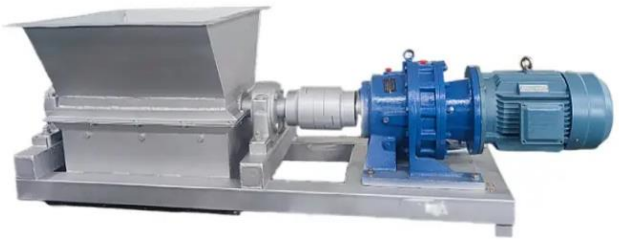
Working principle

LB Series Lump Breaker offers high-capacity size reduction with a compact, low-power, easy-clean design. A rotating beater assembly grates material through a perforated screen, eliminating agglomerates for higher-quality output. This size reduction equipment offers consistent particle size within a narrow band while minimizing the generation of dust and fines. Various mesh sizes are available to suit a wide range of applications, including reducing particle size before or after mixing, intermediate sizing of product for improved drying and granulation prior to tableting, regrinding out-of-spec material for reclaim, pre-grinding prior to a secondary fine milling process, or accelerating dissolution in liquid reactors.

Technical advantages

1. Robust, simple and compact design requires minimum maintenance;
2. Available in materials and configurations to meet food and industrial safety and sanitary standards
3. Alloy steel cutting knives.
4. Very easy and convenient for cleaning, changing sieve and cutting knives.
5. Different particle size can be achieved by changing sieve.
6. Customizable options include side hatches, loading hoppers, and floor stands
7. Available in materials and configurations to meet food and industrial safety and sanitary standards

Main technical parameters



MODEL	MAIN CHAMBER (W*D*H)	THICKNESS	Anti-Chamber	SIDE DOOR
Capacity kg/h	50-100	100-300	300-600	600-1200
Feed size mm	≤50	≤100	≤200	≤300
Product size mm	0.5-20	0.5-20	0.5-20	0.5-20
Rotating speed RPM	192	192	192	192
Motor power HP	2	3	5.5	7
Dimension L X W X H mm	400X250X300	500X350X400	900x500x500	1000x600x500

Open & Closed Restricted access

barrier systems

ORABS - Open Restricted Access Barrier System

Open restricted access barrier system use an integral HEPA-filtered air supply or use clean room ceiling- mounted HEPA-filtered air supply. It can be integrated with filling machine, auto loading and unloading systems etc. to provide Class A airflow to guarantee aseptic process.
Aseptic pharmaceutical manufacturing requires the production area to be free from microbiological and particle contamination. The environmental conditions for sterile processing are designed to maintain product sterility and are ISO 5 or Grade A classified, considering the following parameters:
Particle level (> 0.5 µm) less than 3,520 particles/m3.
*Vertical air flow laminarity.
*Humidity control.
*Temperature control.
*Air recirculation.
*Cleaning and decontamination procedures.
*In accordance with these standards, VESH TECH has developed a wide range of products for different
*environmental conditions.

Industrial Dust Collectors

Vesh Tech cyclone dust collectors and other small industrial units are adaptable to a wide variety of uses for a whole range of industries. Shop below for information and ordering, or contact a product specialist to discuss your specific needs:

The VTE is the ideal dust collector for microabrasive sandblasters. It has a specially designed bypass motor which is perfect for providing suction to sandblasters which use abrasive media. Both quiet and powerful, the Abrasive Vac has a very long motor life and a very low cost of ownership. Purchase yours today if you're in need of a dust collector that is perfect for sandblasting.

- Powerful suction
- Quiet operation (55 dBA)
- Compact, space saving design
- Dual function remote control included
- Accumulator pre-filter captures 95% of all dust and 99% of all abrasive media
- 1 Year Warranty

BIO SAFETY CABINET

The Class III biological safety cabinet provides an absolute level of safety, which cannot be attained with Class I and Class II cabinets. All Class III cabinets are usually made of welded metal construction and are designed to be gas tight and work is performed through glove ports in the front of the cabinet. During routine operation, negative pressure relative to the ambient environment is maintained within the cabinet which provides an additional fail-safe mechanism in case physical containment is compromised.
On all Class III cabinets, exhaust air is HEPA-filtered and incinerated. Materials are transferred into the cabinet using a pass-through unit installed at the side of the work area.
Class III cabinets usually exhaust air back to the laboratory; however, air may also be exhausted via a dedicated ductwork system to the external environment. When a dedicated ductwork system is employed, they are also suitable for work employing toxic chemicals as an adjunct to microbiological processes.

MODEL	DESCRIPTION	Capacity
VTE-BSC2X2	BSC2X2	600X600X600
VTE-BSC2X3	BSC2X3	900X600X600
VTE-BSC2X4	BSC2X4	1200X600X600
VTE-BSC3X4	BSC3X4	1200X900X600

HORIZONTAL LAMINAR FLOW UNIT

Horizontal Laminar flow Unit are designed for creation of a bacterial dust free air space. Laminar Airflow Cabinets are used for work with low-risk substances and materials, when protection of working material from environment is required or work with item requires a sterile working zone

VERTICAL LAMINAIR FLOW UNIT

Vertical Laminar Airflow Unit
are designed to provide the ideal particle-free, bacteria-free clean-air environment needed for laboratory work, testing, manufacturing, inspection, or pharmaceutical procedures. Comes in form of Ceiling Suspended type or in Floor Mounted.

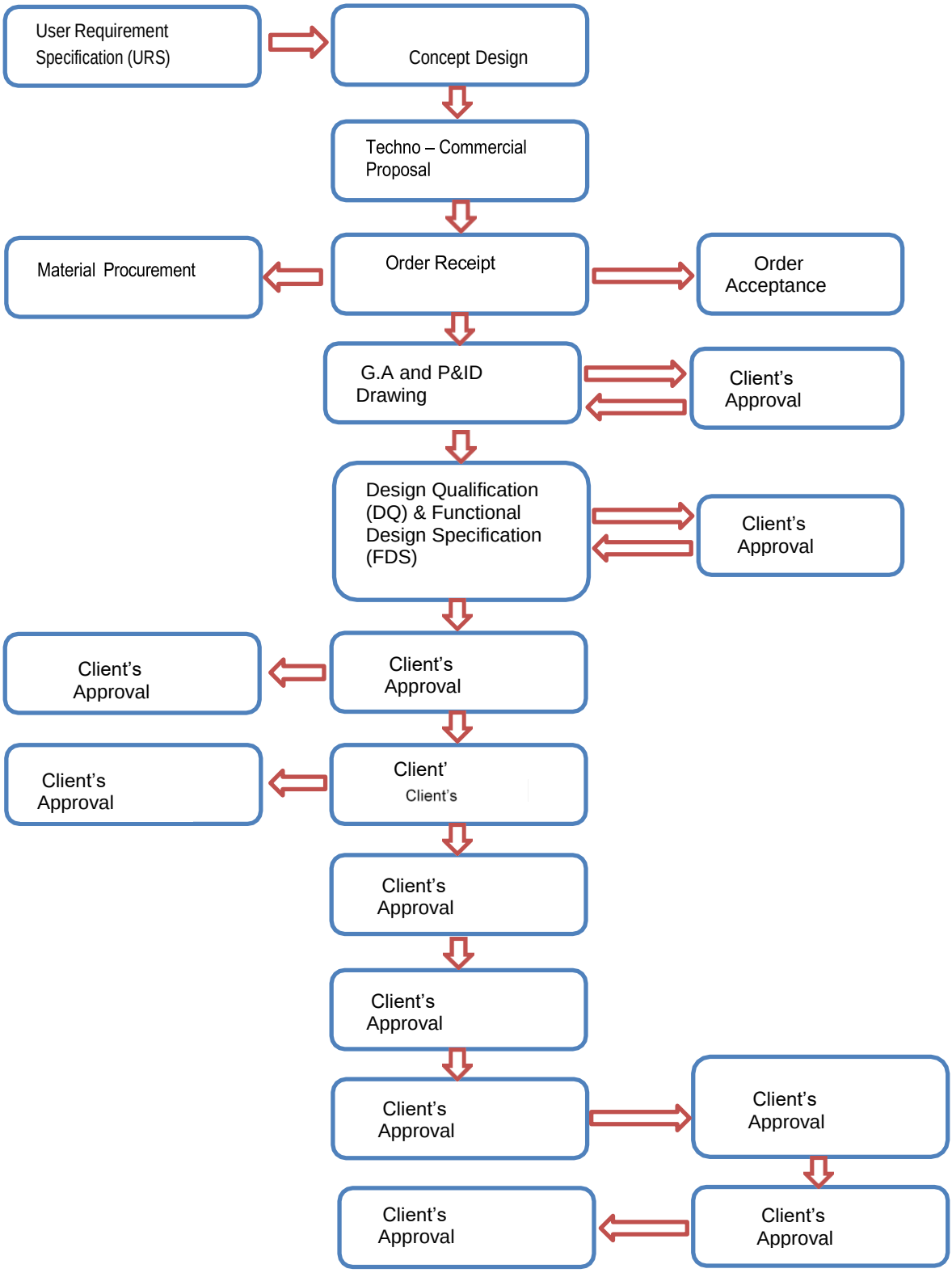
DISPENSING & SAMPLING BOOTHS.

Dispensing & Sampling are designed with downward laminar Air flow. Its applications include Product sampling, large scale dispensing, weighing. It is used to control hazardous emissions of powder, dust or vapours during powder dispensing, drum tipping, product sampling, without risk to the operator or environment.

Fume Hood

Fume Hood has been designed & tested to ensure the highest level of protection available in the marketplace today. Our Fume Hoods are tested in the factory to very high levels of containment using current ASHRAE 110 standards. They have been shown to meet or exceed the American National Standard for Laboratory Ventilation and the American Industrial Hygiene Association standard as outlined in ANSI/AIHA Z9.5-2003. 'ULTRAFAB' recommends that all fume hood be tested after installation using the latest ASHRAE 110 onsite tests. Results should be compared to the requirements outlined in the latest ANSI/AIHA Z9.5 standard as well as outer guidelines Which may be adopted by local authorities having jurisdiction. As with many laboratory activities, fume hood use must follow certain procedures to achieve the maximum operator protection. It is the Fume Hood operator's responsibility to be familiar with and apply the principles outlined in this manual as well as procedures developed for your individual organization's special needs. The safety requirements for radioisotope operations are beyond the scope of this guide. Qualified experts should be consulted to develop specialized procedures for the use of such hoods.

Standard Operating Procedure (SOP) for Projects



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