



PHARMA TURNKEY
solutions

**WE GROW
WHEN
YOU GROW**



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MANUFACTURER | ENGINEERING | CONSULTING | TURNKEY SOLUTION PROVIDER

Introduction

We are pleased to introduce our self as a leading Manufacturer & Major Exporter of Machineries of Pharmaceuticals, Herbal, Cosmetics industries as well provides Turnkey Solutions.

We started our journey by establishing Manufacturing Plant in 25000 Sq Ft area for Pharma machineries in Changodar, Ahmedabad further another unit establish 86000 Sq Ft. At Bhat, Ahmedabad. We proudly announce that we are manufacturers of small semi-automatic plants to fully automated plants and machineries used for high end operations confirming cGMP Standards. We are renowned in our field because we designed / Manufacture Machine with utmost care and as per customers requirement. We are also earned fame for our after sales service and customer complaint handling.

The company has an impressive range of products of international standards characterized by its accuracy, reliability and durability, to suit the various needs of the customers such as liquid oral packaging, liquid oral processing, automatic linear bottle washing machine, automatic volumetric liquid filling machine, filter press/ pumps, tanks/vessels, slat conveyor belt, Granulation & coating, Tablet testing, Liquids, Ointments, Creams & Powders, Capsules filling machines, Dryers, Blenders, Injectable & Pharmaceutical furniture made of SS. Our production is not limited to these only we continuously expand our reach as per market demand. Apart from this our production, we also fulfil our customer's demand by sourcing machineries & Equipments and carry out inspection.

A company lead by highly professional Management and highly skilled workforce, strives to innovate & provide best quality machines to its customers. Company earned its reputation in international market for its highly satisfactory Products & Service. Company Exports its products across the globe spanning through Asia, Africa, Europe & South America. In this very Short span of time, GMP Machineries & Packaging has made impressive presence in Pharmaceutical, Bio Technological, Health & Personal Care, Chemical, Food & Agro Chemical Sector. GMP has highly Dedicated, enthusiastic, zealous Workforce of company that left no stone unturned to set new Benchmark of success each day.

Our Mantra

"We Grow When You Grow"

Our vision is to become a worldwide leading organisation for turnkey solutions. Helping our customers from inception to execution across various industries i.e. Pharmaceuticals, Cosmetics, Pesticides, Chemicals, Healthcare, Food & Beverages and allied industries.

MISSION:

Our mission is to help our customers, partners and vendors to grow and achieve their true potential. Our founders' strong belief in our mantra ensures that our customers' growth helps us grow exponentially and realize our potential as "Leading Turnkey Solution Provider" globally.

ABOUT US:

GMPIN'S having 25 Years of experience as a major exporter of packaging & processing machinery is the backbone of our Engineering & Consulting division. GMP's exports, vendors and SMEs help our customers execute their project from start to the production of finished products.

NEW PROJECTS:

GMP provides services right from the planning stage ti the starting of the production unit i.e., preparing plant designs, layouts, the requirement of utilities, process plans, designing of air handling unit, cleanroom partitions, modular partitions, effluent treatment systems, water treatment plants, air filtration systems, etc.

EXISTING PROJECTS & UPGRADES:

GMP extend their services, including Gap Analysis, Pre-Audit for Gap Analysis help customers to comply with international standards like GMP, pre-screening of plans ti ensure cGMP compliance, design and implement regulatory framework for international market entry etc.

Services:

GMP Engineering & Consulting provides one-stop solution for their customers from planning stage to the production of finished goods. GMP Engineering & Consulting services are complemented by their 25 year's plus experience as manufacturing and global exporter. GMP has a storage association with technology players and venders across the globe that enables us to provide quality solutions at competitive prices. Our services include but are not limited to,

- Master Planning
(as per WHO-GMP/USFDA/UKMHRA/TGA/PICs)
- Facility Engineering Solutions
- Installation & Validation of Supplied machineries/Equipment's
- Trial Run and Audits



Facility Engineering Solutions:

GMPs 25 year's plus industry expertise enable them to deliver best in class solutions when it comes to facility engineering from HVAC, fire & safety to piping solutions. Our facility engineering services include,

HVAC Solution:

One of the key considerations for plant design is an effective and efficient solution to ensure the right air pressure, humidity, temperature and cleanliness is maintained. Our 25 year's plus experience helps us define the best in class solution in budget and as per regulatory requirements.

Clean environments free of pollutants and other airborne particulate are crucial to a number of industries, which is why a cleanroom is used. By measuring atmospheric contaminants, The cleanrooms are able to provide a set environment in which airborne particles are kept to a certain PPC (particles per cubic meter) reliably and within the ISO grade of that cleanroom.

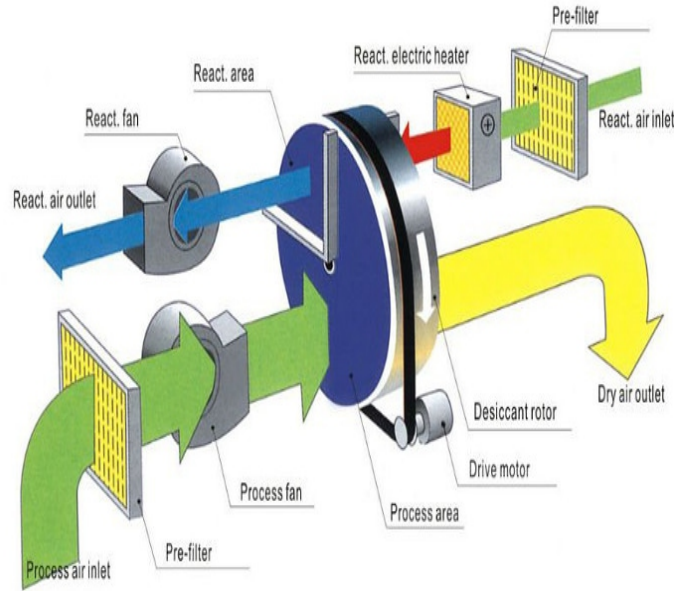
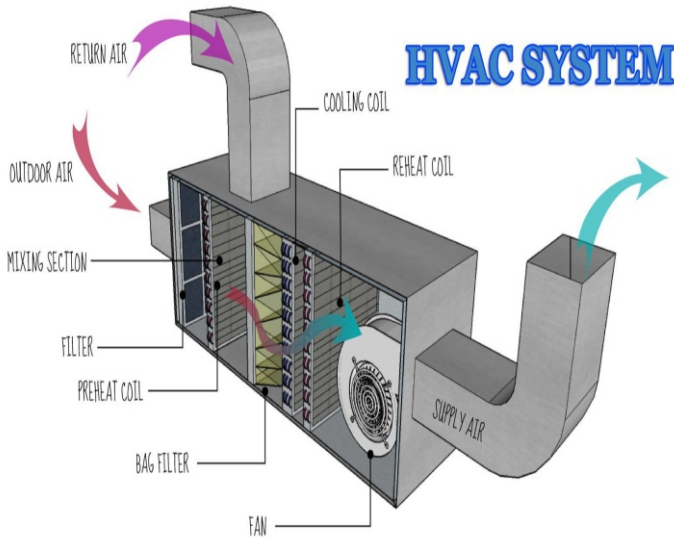
HVAC systems are to delivery air change rates that are far in excess of normal atmospheric conditions & to ensure a low particle count for applications such as high quality product manufacture or scientific and medical research.

Dehumidification

ous airlaet GMP has a wide range of industrial dehumidifiers catering to the varied application ail 5; needs across diversified industries. The dehumidifiers are reliable, energy-efficient and cost effective.

Dehumidifiers are designed to meet the most stringent moisture/humidity control needs and are available from compact models to very complex engineered systems.

We can easily maintain RH up to 25 to 30% with the help of Dehumidifier.



Working Principle

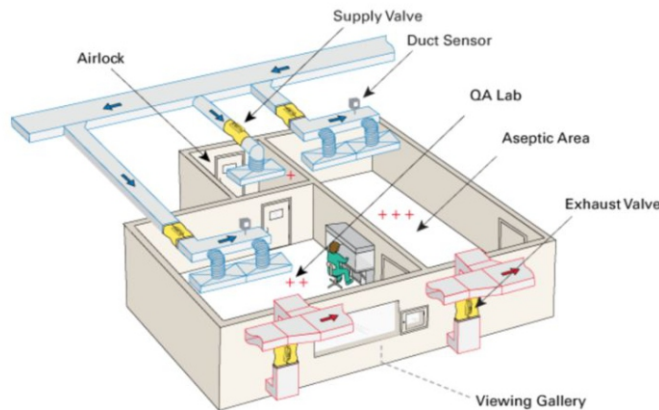
Maintains and Provides Cool, Dry, Sterile air

Uniform Drying time

Reduces drying time from several days to few hours

Maximise Production time by eliminating costly down time due to poor air quality

Maintains a clean controlled temperature and humidity energy efficient reduces utility consumptions



Air Handling Unit

An Air Handling Unit (often abbreviated to AHU), is a device used to condition and circulate air as part of a heating, ventilation, and cooling (HVAC) system. An AHU is usually a large double skin metal box containing a blower, heating and cooling elements filter(s) racks or chambers, sound attenuators, and dampers. AHU will be connected to a ductwork ventilation system that distributes the conditioned air through the building and returns it to the AHU.



Filtration

Clean rooms utilize high efficiency absolute (HEPA) filters with 99.97% filtration efficiency at 0.3 microns. HEPA stands for High Efficiency Particulate Air. The HEPA filters work on diffusion principle to remove particulate matter. The filters are preferably sited within the terminals of the ducted HVAC system, ensuring maximum cleanliness of air within the room.

We offer a complete range of single-zone and multi-zone VRF systems to satisfy modern day design and construction challenges while still providing the occupants the highest level of personalized control and comfort.

With combination of single units ranging from 10 to 30 HP, maximum 120 HP can be achieved from a single system. VRF system enables users to reduce annual utility costs compared to traditional DX as well as Chiller Systems, while the operational modes can be adjusted to allow for seasonal requirements.



Vrf/Vrv

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What is Cleanroom?

A room in which concentration of airborne particles is controlled and which is constructed and used in a manner to minimize the introduction, generation and retention of particles and microbes inside the room and in which other relevant parameters, e.g. temperature, humidity and pressure are controlled as necessary

Cleanrooms are classified To put the size of a micron into Pressures must also be kept from ISO 1 to ISO 9. These perspective; a human hair is static and over the atmospheric standards are based on the approximately 75 microns thick. A pressure in order to prevent number of particles allowed typical room in a home would infiltration into the New per unit volume of air within contain more than 10,00,000 air inputs must be balanced the space. The physical size of particle of 0.5 μm and above, this along with the release of air a particle is measured in a unit roughly equates to a class ISO 9 from the room to keep the called as a micron (μm). cleanroom. pressure value maintained.

Clean rooms are used in many different industries in addition to Pharmaceutical, Healthcare, Processing, including Cosmetic, FMCG, military, aerospace, and computer manufacturing.



Class 100 – The cleanest room on this list; this class is frequently used in labs and hospitals because it is designed to never permit over 100 particles (0.5 microns or bigger) per cubic foot of air.

Features:

- EU3/EU4 level filters
- EU9 pocket filters in at the entrance
- EU14 box filtering from the ceiling
- Air leaves the environment through wall grilles

Class 10,000 – This classification of clean room is the one mostly commonly used in the food industry and limits particles to 10,000.

Features:

- EU3/EU4 level filters
- EU8 pocket filters in at the entrance
- EU14 box filtering from the ceiling
- Air leaves the environment through wall grilles

Class 100,000 – This class of clean rooms is designed to limit particulates to 100,000 and is popular in the medical and manufacturing industries.

Features:

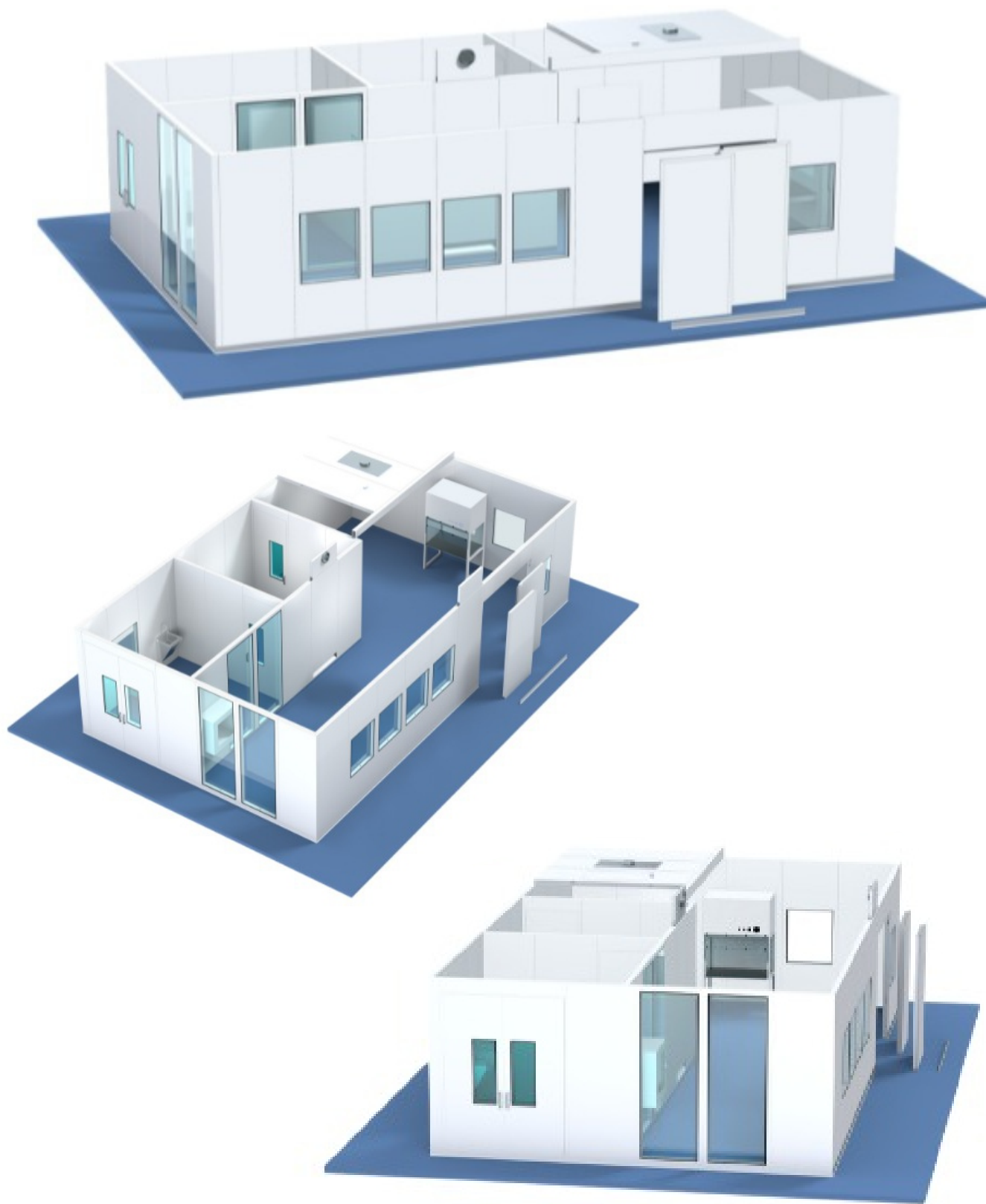
- EU3/EU4 level filters
- EU8 pocket filters in at the entrance
- EU13 absolute filters in at exit
- Distribution of filters from the ceiling
- Air leaves through ceiling grilles
- Features finely permeable fabric channels



Modular Cleanroom –Wall Partitions & Ceiling Panels

We are specialized in designing, manufacturing and supplying modular panels to construct "Walls and Ceiling ". offers various type of wall panels which incorporate with the ceiling system. We are also versatile and are flexible in design.

Cleanroom Partition is designed according to GMP requirements and to provide a clean and reliable environment for either new or existing facilities. We provide excellent flush surface to prevent possibility of contamination, microbial and fungal growth. The high quality components allow a high performance cleanroom to be constructed.



Supply & Installation of Production & Packaging Machineries



Utility Piping

Utility piping to ensure that your plant runs the way it's supposed to. In addition to all of our process system design, we also design and build complete utility systems to support your plant's overall functioning. We understand that the utility system is essential for plant operation, without these, the production line cannot function. Accordingly, we maintain expert engineers, construction professionals, and installers who are well versed in utility piping and utility systems, including all of the relevant codes and regulations.



01	Process & Instrumentation Diagram (p & Id)	16	Effluent Treatment Plant
02	Chilled Water System	17	Hot Water Generator
03	Chiller System	18	Multi Grade Filter
04	Compressed Air System	19	Air Receiver
05	Fire Hydrant System	20	Chimney
06	Water Treatment Systems	21	Water Tanks
07	Steam Boiler	22	Heat Pump
08	Pure Steam Generator	23	Vacuum Pump
09	Nitrogen Generator	24	Dust Collector
10	R.O Water Plant	25	Scrubber
11	Multicolumn Distillation Plant	26	Pumps
12	Pre-treatment Plant	27	Oil Tanks
13	Purified Water Plant	28	Cooling Tower
14	Water Softener	29	Desiccant Air Dryer
15	Water for Injection	30	Refrigerant Air Dryer

Electrical

Electrical system has been one of the core competences of GMP. In our turnkey solutions journey it has become an essential part of the scope of works due to its inter-dependency. Electrical systems shall be designed in such a way that the entire plant can be run uninterruptedly for round-the-clock operations of process machinery and utility equipment. The design process starts from identifying the power distribution requirements of the customer and charting a final power distribution schematic which once upon approval will be taken for detailed engineering to provide the desired turnkey solutions.



Air Showers

Air showers are specialized anti-chambers through which personnel must pass before entering cleanrooms in order to avoid contamination. Decontamination is done by clearing off dust and dirt particles from bodies of clean room personnel to minimize contamination of equipment or products.



Pass Thru System Static Pass Box & Dynamic Pass Box

- Stainless steel or Galvanized Powder Coated
- Mechanical or electronic interlocked doors, making sure the two doors can't be open at the same time, which in order to prevent cross ventilation
- Efficiency: 99.99%
- Customized sizes,
- We can offer special requirements for the filters as per our clients



De – Dusting tunnel

The De-dusting Tunnels, offered by us, are known for their excellent quality, efficient working, precise engineering and flawlessness. These De-dusting tunnels are efficient for proper removal of dust and dirt. Our De-dusting tunnels are hard and durable. De-dusting tunnel is a continuous motion machine particularly used to de-dust/ clean the external surface of all incoming material like RM drums, SPM boxes,



Vertical Laminar Air Flow

VLAfs are used for work with low risk substances and materials, when protection of working material from environment is necessary or the item requires a sterile working zone. Vertical laminar air flow cabinet, filtered air blows on the work zone and leaves through the holes in the base. Vertical flow cabinet can provide greater operator protection.

Vertical Laminar Airflow Benches are designed to provide Class 100 workstations for creation of a bacterial dust-free air space.



Reverse Laminar Air Flow

Reverse Laminar Air Flow is ideal for Operator Protection, Product Protection and Environment Protection. Dust particles are being filtered and clean air stream is provided in the zone of exposed product and the operator breathing zone. The RLAF is designed to provide Class 100 working environment at rest with built in scavenging system to ensure product, operator & surrounding environment cleanliness.

Reverse Laminar Airflow Bench finds a major application in sampling and dispensing. Majorly used for mixed airflow stream to control the hazardous emission of dust powder during dispensing or sampling process.



Bio Safety Cabinet

A Bio safety Cabinet (BSC) — also called a biological safety cabinet or microbiological safety cabinet — is an enclosed, ventilated laboratory workspace for safely working with materials contaminated with (or potentially contaminated with) pathogens requiring a defined bio safety level.



Sterile Garment Storage Cabinet

Sterile Garment Storage Cabinet , is used for storage of clean apparel for Cleanrooms as these are equipped with HEPA filter and UV germicidal tube light. Therefore, these are safe and ensure that the garments completely free from bacterial contamination



Laboratory Furniture

We offer cleanroom furniture , which are known for durable finish and low maintenance . We can further offer these in varied sizes as per the specific application requirements.



Site Installation



Site Installation



Site Installation

