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AIR SYSTEM
... a Complete HVAC & CLEAN ROOM Solution

COMPANY PROFILE

AIR SYSTEM
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Office: C-404, Shiv Apartment, Plot No.52, Sector-18, Kamothe, Navi Mumbai - 410209, Maharashtra, INDIA.
Factory: Gut No.32, Plot No.24, Behind K-82, MIDC, Waluj, Aurangabad - 431 133, Maharashtra, INDIA.

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ABOUT US:

Established in 2003 by the visionary entrepreneur **Mr. Arvind Tambe**, **Air System** was founded with a clear mission: to deliver *quality and honest services* in the field of **Heating, Ventilation, and Air Conditioning (HVAC)**. Under the leadership and dedication of **Shri Pramod Yadav** and his experienced team, the company has grown into one of India's most trusted names in the **HVAC and Clean Room industry**.

We are a leading solution provider specializing in **HVAC and Clean Room Contracting, Servicing, and Maintenance**. Our expertise spans **design, execution, and upgradation** of a wide range of clean room and HVAC projects. Over the years, we have expanded into **in-house manufacturing of HVAC and Clean Room equipment**, enhancing our capabilities and delivery efficiency.

Our growth has been driven by a strong understanding of industry dynamics, technological advancements, and client expectations - translating them into **cost-effective and high-performance solutions**. With a team of **50+ skilled professionals**, we bring deep techno-commercial expertise to every project.

Air System offers comprehensive turnkey solutions for Cleanroom and HVAC systems, delivering end-to-end services including consultation, design, manufacturing, installation, commissioning, and validation across all cleanroom classifications. Our solutions are developed in strict compliance with globally recognized standards such as **ASHRAE**, **SMACNA**, **ISO 14644**, **BS 5295**, **US FED STD-209E**, **EU GMP**, **UK MHRA**, and **WHO GMP**, ensuring the highest level of quality, performance, and regulatory adherence.

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Industries We Serve

We cater to a diverse range of sectors, including:

- **Healthcare**
  Pharmaceuticals, Hospitals, Operation Theatres, Laboratories, Food Processing, Nutraceuticals, Homeopathic, Ayurvedic, Biotech, Cosmetics
- **Medical Devices**
  Injection Molding, Cannula Manufacturing, Orthodontic and Orthopedic Facilities, Surgical Product Manufacturing
- **Electronics & Engineering**
  Mobile Assembly, PCB Manufacturing, Paint Shops, Printing Units
- **Others**
  Cold Storage, Agriculture, Allied Industries

Our Turnkey Offerings

- **HVAC Systems:** Air Handling Units (AHUs), VRV Systems, Chillers, Ventilation, Dehumidification
- **Ducting & Piping:** Design, Fabrication, and Installation
- **Cleanroom Infrastructure:** Modular Partitions, Wall Claddings, Ceilings, Epoxy Flooring
- **Access & Safety:** Fire-Rated Doors, Emergency Exit Doors
- **MEP Services:** Electrical Systems, Lighting & BMS
- **Laboratory Setup:** Lab Furniture's, Fume Hoods & Storage Cabinets

In-House Manufacturing Portfolio

We manufacture a wide range of cleanroom and HVAC equipment including:

- HVAC Equipment's [AHU's, FDV's, Air Washers, Engineered Dehumidifiers, etc.]
- Modular Clean Room System [Partition Panel, Ceiling Panel, Doors]
- Laminar Airflow Units
- Biosafety Cabinets
- Static & Dynamic Pass Boxes
- Dehumidifiers
- Garment Storage Cabinets
- Air Showers

Our Commitment

At **Air System**, we are committed to excellence through **reliability, quality, and continuous support**.
Our core philosophy emphasizes:

- Timely delivery
- Cost-effective solutions
- Compliance with global standards
- Ongoing improvement
- End-to-end customer satisfaction

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Products:-

We are reckoned as one of the Manufacturers and Suppliers of HVAC equipment's and Modular Clean Rooms. Our quality products are cost effective and power efficient. These are the end products of our highly experienced engineers and skilled technicians. Our every endeavor is to produce quality and world class products. To meet requirements of our customers and quality standards, our highly skilled production team is fully equipped with state-of-the-art manufacturing unit at MIDC Waluj, Auramgabad. Range of Our products is given below:-

- Double Skin Floor / Ceiling Mounted Air Handling Units
- Industrial Desiccant Dehumidifiers
- Air Handling Unit Cum Dehumidifier / Engineered Desiccant Dehumidifiers
- Terminal HEPA Filter Housing
- Return Air Risers
- Inline / Tube Axial / Cabinet Fans
- Pre / Microvee / HEPA Filters
- Cooling & Heating Coils
- Air Management Products
- Modular Sandwiched Wall Panels
- Modular Walkable Sandwiched Ceiling Panels
- Clean Room Scientific Doors & Emergency Doors
- Double Glazed View Panels
- Metallic & Non Metallic Covings
- Clean Room Light Fixtures [FLP & NFLP]
- Clean Room Equipment's like Static Pass Box, Dynamic Pass Box, Horizontal LAF, Sampling & Dispensing Booth [RLAF], Crossover Bench and Air Shower.
- Laboratory Furniture [C-Frame & Plinth Mount Design]
- Laboratory Fume Hoods [Bench Top & Walk In]
- Laboratory Storage Cabinet, Anti Vibration Table, Slotted Angle Rack
- Chemical Storage Cabinet & Ceiling Mounted Spot Extractors along with PP Exhaust blower & FRP ducting.
- Safety shower with Eye Wash, Wall Mounted Double Eyewash & Bench mounted Single & double Eyewash.

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Air Handling Units:-

Our Air Handling Units are best suitable for Pharmaceuticals, Biotech, Electronic and Healthcare industry.

- AHU Supporting frame made of extruded aluminum profiles having excellent mechanical characteristics.
- Profile connected by means of specially made nylon corner pieces.
- Flexible Assembly, novel structure, operational stability, easy installation and commissioning.
- Double skin panels fabricated from pre-coated or powder coated galvanized steel sheet on the outer side and plain galvanized steel sheet on the inner side with 40 kg/m^3 density PUF (polyurethane foam) as infill.
- Copper tube / Aluminum fin direct expansion or chilled water coils with stainless steel insulated drain pan.







- AMCA Certified DIDW Centrifugal Fan.
- Fire Retardant flexible canvas connection.
- TEFC (Totally enclosed fan cooled) electric motors.
- Powder coated galvanized steel filter frames.
- Pre and Fine filter from 10µ to 0.3µ Filtration.
- Airfoil blade aluminum dampers suitable for motorized or manual operation.
- Wide range of models from 1000cfm to 50000cfm.
- Custom Built AHU's for special requirements apart from standard models.

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AHU Cum Dehumidifier [ACD]:-



Air System with its unique exposure towards pharmaceuticals, food industry and sugar production & packing company HVAC & Classification Facility, Introduce an ACD handling Classified Temperature and Relative Humidity Air with Dehumidification.

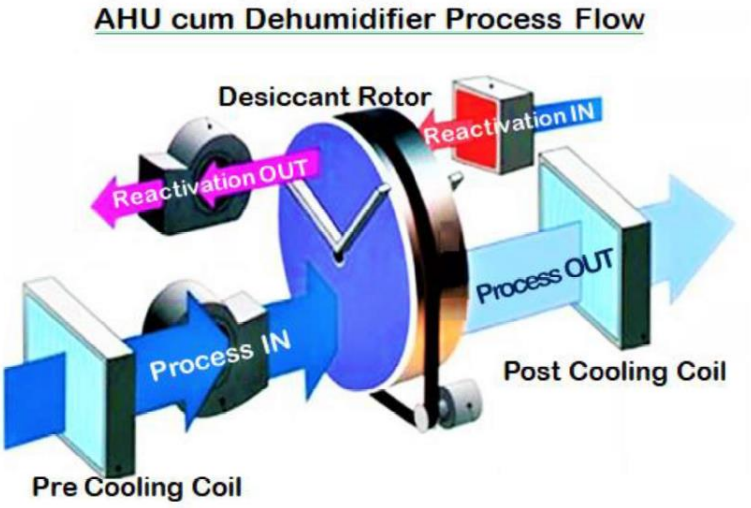
Dehumidification is an essential process to maintain an Ideal controlled humidity environment during processing, storage and packaging.

To Control Moisture Effectively and Remove Humidity Economically an AHU cum Engineering is the only solution.

Air which is passing through Dehumidifier will be free from Moisture.

SAILENT FEATURES

- Customized Designed as per Area Classification
- Unit with optimized controls for Temperature & Relative Humidity Air
- Reliable Desiccant wheels with reactivation system
- Internal Bypass system avoids unnecessary infiltration.
- Energy efficient Single unit combining with Cooling, Heating & Dehumidification.
- Fully Automatic PLC Control Panel with HMI Display.



The ACD Unit Consist of Pre Cooling Unit, Mixing Section, Desiccant Rotor Assembly with Reactivation Arrangement, Post Cooling Section & Process Blower Section.

Clean Room Equipment:-

Air System offer Cleanroom equipment for Pharmaceutical, Biotech, Laboratory, Microelectronic & semi-Conductor units and Hospitals. We provide tailor made solutions and design the Cleanroom Equipment for specific use.

LAF (Laminar Air Flow Unit)

We manufacturer makes customized LAFU's. The size & of type of LAFU's depend on the type of process and size of the connecting process equipment. For laboratory purpose, we have a standard size with various optional accessories.

Types

- Ceiling Suspended Laminar Air Flow Unit
- Vertical Laminar Air Flow Unit
- Horizontal Laminar Air Flow Unit
- Mobile Laminar Air Flow Unit

RLAF Dispensing & Sampling Booths

Reverse laminar air flow units are designed for dispensing and sampling activities for powder and liquids. The size shall be designed based on the requirement. Optional accessories like Perforated Work Bench, FLP Accessories for flame proof areas etc. in various custom made size are available with compact design.

Passbox

We manufacture makes **Static** and **Dynamic** pass boxes meeting the customer specific requirements meeting the highest standards. Option of choosing type of pass box depends on the contaminant level and transfer of material from one class of cleanliness to other class of cleanliness.

Interlocking

We have different door interlocking systems for pass boxes like electromagnetic and mechanical type.

Accessories

Various optional accessories can be provided like Digital Hour Meter, Buzzer, Digital DP Instrument and Glove Ports etc.

MOC : We offer different MOC options like SS 304, SS 316 and GSS with Powder Coating.

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Modular Cleanrooms:-

A modular cleanroom system incorporates flexibility in Design, Construction and process integration based on the type of facility and its application. Air System Modular Cleanrooms are designed to suit the specific requirement of the customers and allow them to expand or modify as per their changing business requirements.

Air System offers total cleanroom solutions, right from concept to commissioning, including design, manufacture and installation of cleanroom partitions. The integration of cleanroom partitions with other equipment and utilities is carried out to meet the regulatory requirements ensuring maximum cleanliness and minimum contamination. The solution are capable to both new facilities and refurbishment of existing facilities to GMP Standards.

At Air System each and every panel is manufactured as a customized and pre-designed panel. These customized panels are made at our factory and supplied at the site for construction.

Cleanroom construction begins with the floors, walls and ceilings. At Air System, wall panels and walkable ceiling systems are made to meet the specific requirements of the customers. Wide range of infill options like PUF, Honeycomb (Kraft Paper) and Rockwool are available.

Various Return Air Riser designs are available like inbuilt RA Riser within the panel, Riser between Double panels. The type of risers shall be decided based on the type of facility, cleanliness class and other requirements of the customer.

Air system product range for the entire cleanroom included Wall Panel, Walkable ceiling panels, Cleanroom Doors with required hardware, Double Glazed View Panels, Covings, Cleanroom Light Fixtures & Cleanroom equipment like Pass boxes, LAF's, Sampling/Dispensing booths, crossover benches and air showers.



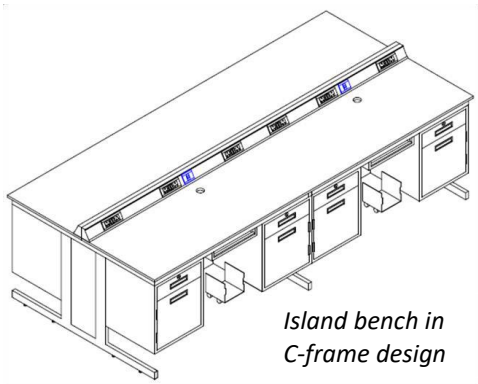
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Laboratory Furniture:-

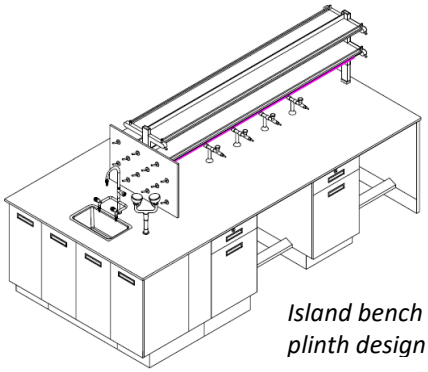
Laboratory work tables are available in various configurations, majorly in two basic structural designs:

- **Laboratory work tables with a C-frame design** provide excellent strength and weight bearing capacity to the work tables. The work top is mounted on a "C" frame structure made of 60 mm x 30 mm x 2 mm pipes welded together and powder coated with pure epoxy powder for high chemical resistance



Island bench in C-frame design

- **Laboratory work tables with plinth design,** is where the worktop is mounted directly on a base of modular plinth mounted cabinets. This type of design provides flexibility in terms of easy change in the configuration of the work table in the future.

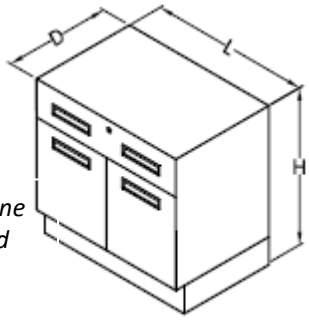


Island bench in plinth design

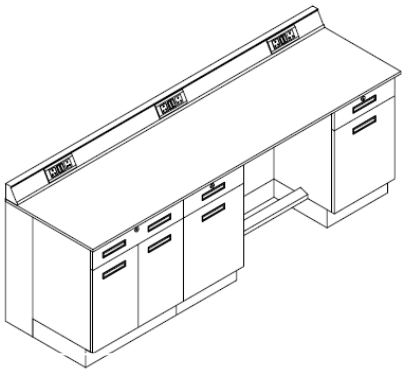
Laboratory work tables in C-frame design as well as plinth design are available in all of the following configurations. Work tables can be manufactured in a large variety of dimensions including length, width and height based on lab space available and lab table application.

Work table Configurations:

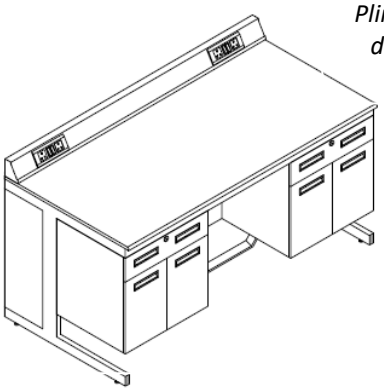
- Wall benches
- Island benches
- Peninsular benches
- Corner benches
- Sink units
- Distillation benches
- Gas chromatography benches



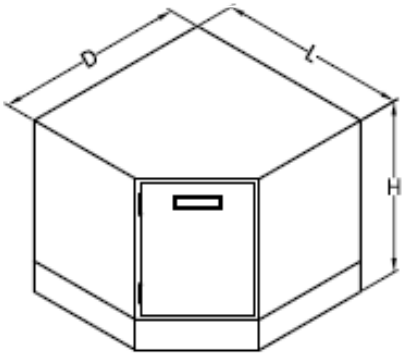
Plinth mounted cabinet with one drawer and two shutters, and hidden auto-close hinges



Wall bench in plinth design



Wall bench in C-frame design



Plinth mounted corner cabinet with one drawer and exposed knuckle barrel hinges

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Highly Satisfied Customer Base:-

Our ability to deliver tailor-made solutions, combined with our strong focus on quality, compliance, and customer satisfaction, has helped us build an enviable client base across sectors such as **hospitals, pharmaceuticals, biotechnology, and microelectronics.** We take pride in having served some of the most reputed organizations in India and abroad.

Name Customer	*Location*
Amri India Pvt. Ltd.	Aurangabad
Acharya Chemicals Pvt. Ltd.	Ambernath
Prowill Pharmaceuticals Pvt. Ltd.	Navi Mumbai
Ashwik Pharmaceuticals & Chemicals Pvt. Ltd.	Dombivali
Shirdi Chemicals Pvt. Ltd.	Navi Mumbai
Rubicon Formulation Pvt. Ltd.	Aurangabad
Atra Pharmaceuticals Ltd.	Aurangabad
Accon Life Sciences Pvt. Ltd.	Ratangiri
Adora Products Pvt. Ltd.	Aurangabad
Delta Finochem Pvt. Ltd.	Nashik
Wockhardt Biotech	Aurangabad
Mylan Laboratories Ltd.	Aurangabad
Jubilant Life Sciences	Roorkee
Lupin Ltd.	Mandideep
Oman Chemicals & Pharmaceuticals LLC	Oman
Renie Chemist Limited	Ghana, South Africa
Flamingo Pharmaceuticals Ltd	Rabale, Navi Mumbai
Zenvision Pharma LLP	Navi Mumbai
Adama India Pvt Ltd	Dahej, Gujarat
United Breweries Ltd (Kingfisher)	Aurangabad
Vadivarhe Speciality Chemicals Ltd.	Nashik
Lesanto Laboratories	Palghar
Aarti Drugs Ltd.	Palghar
Glenmark Lifesciences Limited	Mohol
Afriya Pharma	Ghana, South Africa
ADAMA India Private Limited	Dahej, Bharuch

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Registration Details

G S T No. : **27ACCPY5476G1Z3**
PAN No. : **ACCPY5476G**
ESIC Reg. No. : **25000067970000606**
PF Reg. No. : **NGAUR1345051000**

Contact Details

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