

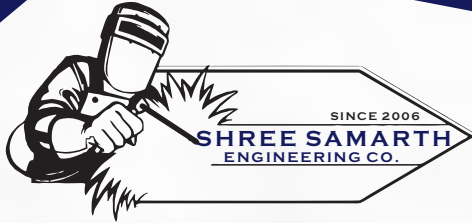
SHREE SAMARTH ENGINEERING CO.

-A Place Where Creativity Meets Precision

 **RAGHUNATH NAGULA : 7767886111 / 7972941966**

 **raghu_nagula@yahoo.com**

 **13/14, Virar industrial estate, Jivdani panchpairi, Chandansar Road,
Virar (East), palghar, mumbai, Maharashtra, India. Pin code- 401303**



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Founded by Mr. Raghunath Nagula, Shree Samarth Engineering Co. has been a pioneer in stainless steel (SS) solutions Since 2006. We specialize in manufacturing high-quality stainless-steel furniture and pharmaceutical equipment, designed to meet the highest standards of hygiene, durability, and innovation.

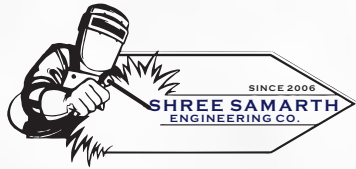
OUR MOTTO

"Precision in craftsmanship, integrity in service, and excellence in every creation."

Guided by our belief in **quality, ethics, and innovation**, we are committed to delivering products that **enhance safety, efficiency, and longevity** across industries. Our tagline, **"If the steel molds, we can make it happen,"** reflects our **passion for precision engineering and customer satisfaction.**

OUR SPECIALIZATION

We provide **state-of-the-art solutions** tailored for **pharmaceutical, healthcare, and industrial applications**, ensuring seamless operations and uncompromising quality.



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Why Choose Shree Samarth Engineering Co.?



Decades of Expertise

Over 20 years of leadership in the steel industry



Uncompromising Quality

Every product is crafted with **precision and durability**



Innovation & Customization

Tailor-made solutions to meet unique needs



Integrity & Ethics

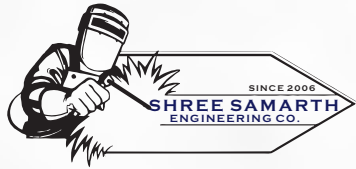
Commitment to **fair practices and superior craftsmanship**



Customer-Centric Approach

Focused on **delivering value and reliability**

At Shree Samarth Engineering Co., we don't just manufacture products
—we build trust, innovation, and excellence into everything we create.



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Pharmaceutical Equipment – Engineered for Excellence

Pass Boxes (Static & Dynamic)

Ensuring Cleanroom Integrity

Laminar Airflow Systems (LAF, RLA, Vertical LAF)

Delivering controlled, sterile airflow

Air Showers

Preventing contamination in sensitive environments

Bio-Safety Cabinets (Class 1, 2, and 3)

Providing superior protection

Garment Cabinets (Static & Dynamic)

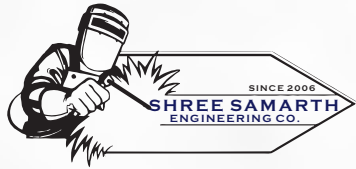
Keeping sterile garments contamination-free

Mist Showers

Effective decontamination solutions

Mobile Trolleys

*Safe and efficient material handling Stainless Steel
Furniture – Durable*



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Functional & Hygienic

Medical & Industrial Use

- SS Scrub Stations – Designed for proper hygiene compliance
- Platform Trolleys – Sturdy and easy to transfer heavy material.
- Visual Inspection Tables – Facilitating quality control
- SS Sink Tables – Corrosion-resistant and easy to maintain
- Anti-Vibration Tables – Ensuring stability for precision work

Waste Management Solutions

- Round & Square Dustbins – Durable and easy to clean

Storage & Utility Solutions

- Mopping Trolleys – Ergonomic cleaning solutions
- Computer Tables – Designed for workspace efficiency
- Apron Cupboards – Secure storage for sterile clothing
- Lockers, Racks, and Almirahs – Maximizing space and organization

Specialty Furniture

- Fume Hoods – Enhancing workplace safety
- Canteen Tables – Strong, stylish, and hygienic
- Cage Trolleys & Pallets – Streamlining material handling
- Cross Over Benches – Ensuring cleanroom compliance
- SS Scoops – Precision-engineered for pharmaceutical applications
- Chairs – Ergonomic, durable, and designed for long-term use

STATIC PASS BOX

Our Static Pass Box, available in quality of SS MOC 304, 316, and 316L, is designed to prevent cross-contamination between areas with different classifications, ensuring the integrity of both products and processes during material transfer. It facilitates the movement of materials with minimal personnel interaction between distinct classified zones, effectively reducing the risk of particle contamination.

Types of Static Pass Box.



Single Leaf Door SPB



Double Leaf Door SPB



L Type Pass Box SPB

Feature	Specification
Door Construction	Constructed with SS 304, SS 316, or SS 316L, featuring a double-walled design with a flush glass view panel, stainless steel handles, and hinges.
Interlocking System	Constructed with SS 304, SS 316, or SS 316L, featuring a double-walled design with a flush glass view panel, stainless steel handles, and hinges.
Door Status Indicators	Includes visual indicators on both sides to display the open/closed status of the doors.
Door Release Mechanism	Provides a door release switch on each side for convenient operation.
Internal Design	Features stainless steel coving inside for easy cleaning and maintenance.



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Additional Features and Accessories

■ **UV Light with Hour Meter**

Designed for sterilization purposes, equipped with a safety interlock that deactivates the UV light when either door is opened.

■ **Mounting Stand**

Provides stable support for the installation of the pass box.

■ **Sealing Flange**

Ensures a tight seal between the pass box and the cleanroom wall to maintain environmental integrity.

■ **Interlocking Mechanism**

Available in both electro-magnetic and mechanical variants to prevent simultaneous opening of doors.

■ **Floor-Mounted Design**

Constructed with a three-wall configuration and a door drop seal for enhanced containment.

■ **Ventilation System**

Includes perforated grills to facilitate airflow while maintaining cleanliness.

■ **Flame-Proof Components**

Suitable for use in environments requiring explosion-proof safety measures.

DYNAMIC PASS BOX

Shree Samarth Engineering Co. specializes in delivering a premium range of Dynamic Pass Boxes, meticulously designed and engineered to meet stringent international standards. These advanced pass boxes facilitate seamless and secure material transfer across controlled environments, enabling efficient movement between classified areas. By effectively minimizing the risk of cross-contamination, they ensure the preservation of product integrity and the maintenance of optimal process conditions.

Types of Dynamic Pass Box

Double Leaf Door Dynamic Pass Box



FLP Dynamic Pass Box



L Type Dynamic Pass Box



Single Door Dynamic Pass Box



Dynamic Pass Box Specifications
(Material of Construction: SS 304, 316, 316L)

Component	Description
HEPA Filter	High-efficiency particulate air filter using imported Miniplate technology, compliant with EU-14 Grade, achieving over 99.997% efficiency for 0.3-micron particles.
Pre-Filter	Constructed from non-woven synthetic material with HDPE mesh, meeting EU-06 Grade standards, with over 95% efficiency for 5-micron particles.
Fresh Air Filter	Made from non-woven synthetic material with HDPE mesh, conforming to EU-4 Grade, with over 90% efficiency for 10-micron particles.
Motor Blower Assembly	Features a statically and dynamically balanced motor blower designed to provide adequate airflow and static pressure throughout the HEPA filter's lifespan.
Pressure Gauge	Includes a Magnehelic gauge (0-25mmvc) to monitor pressure drop across the HEPA filter.
Door Construction	Double-walled SS 304 door with a flush toughened glass view panel, stainless steel handles, and hinges.
Interlocking System	Electro-Magnetic Interlocking mechanism ensures only one door can be opened at a time.
Door Status Indicators	Visual indicators to show the open/closed status of the doors.
Door Release Switch	Door release switches are provided on both sides for ease of operation.
Internal Design	Stainless steel coving inside for easy cleaning and maintenance.
Control	Keypad-operated ON/OFF switches for the motor
Switches	blower, LED light, and UV light.
PAO Test Port	Includes a port for PAO solution testing upstream of the HEPA filter for integrity checks.
Vibration Level	Minimal vibration during operation.
Electrical Supply	Compatible with 230V AC 1-Phase 50 Hz or 415V AC 3-Phase 50 Hz power supply.
Noise Level	Operates at less than 75 dB on scale 'A' when the ambient noise exceeds 60 dB on scale 'A'.



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

Additional Features and Accessories

■ **UV Light with Hour Meter**

Designed for sterilization purposes, equipped with a safety interlock that deactivates the UV light when either door is opened.

■ **Interlocking Mechanism**

Available in both electro-magnetic and mechanical variants to ensure only one door can be opened at a time.

■ **Floor-Mounted Design**

Features a three-wall structure with a door drop seal for enhanced containment and stability.

■ **Audio-Visual Alarm**

Alerts users to the condition of HEPA filters, ensuring timely maintenance and optimal performance.

■ **Clean Down Timer with Operation Hold Indicator**

Monitors and indicates the duration of cleaning cycles and operational holds.

■ **Pressure Monitoring**

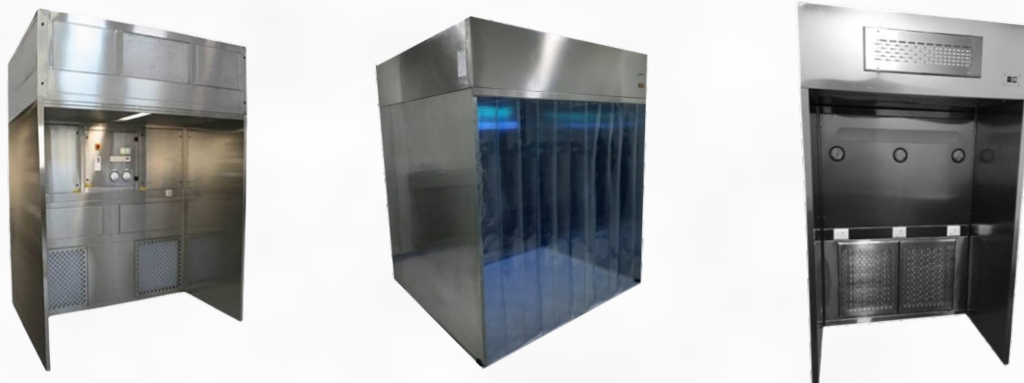
Includes a photobell or digital pressure gauge to track pressure drops across filters for efficient maintenance.

■ **Flame-Proof Fittings**

Designed with flame-proof components for use in hazardous environments, ensuring safety and compliance.

REVERSE LAMINAR AIR FLOW (RLAF)

RLAF manufactured at Shree Samarth Eng. Co. is designed for an open-front containment system with a built-in scavenging arrangement that efficiently draws aerosol away from the operator and the operating environment, ensuring the protection of both product and personnel.



Description - Reverse Laminar Air Flow (RLAF) MOC SS 304, 316, 316L

Component	Description
Supply HEPA Filter	Imported Minipleat HEPA filter with hot melt technology, conforming to EU-14 Grade with 99.997% efficiency for 0.3-micron particles.
Exhaust HEPA Filter	Imported Minipleat HEPA filter with hot melt technology, conforming to EU-14 Grade with 99.997% efficiency for 0.3-micron particles.
Intermediate Filter	Non-woven synthetic with HDPE mesh, conforming to EU-7 Grade, with 95% efficiency for 3-micron particles.
Electrical Supply	230V AC 3-Phase 50 Hz / 415V AC 3-Phase 50 Hz
Noise Level	Less than 75 dB on Scale 'A' when ambient noise is below 60 dB on Scale 'A'.
Vibration Level	Minimal vibration during operation.
Pre-Filter	Non-woven synthetic with HDPE mesh, conforming to EU-4 Grade, with 90% efficiency for 10-micron particles.
Motor Blower	Statically and dynamically balanced motor blower
Assembly	for consistent airflow and pressure.

Component	Description
Differential Pressure Gauge	Magnéhelic Gauge (0-25mmwc: 1 No.) to monitor pressure drop across HEPA and intermediate filters.
Lighting	LED light with milky white acrylic sheet (250 Lux) at the work surface.
ON/OFF Switches	Keypad switches for motor blower and lights.
Switch Socket	6/15 Amp single-phase socket for external equipment.
Control Panel	Electrical control panel mounted inside the unit.
PAO Port	PAO test port upstream of the HEPA filter for integrity testing (with PAO solution).
Side Panel	SS 304, double-walled side panels.

Additional Features and Accessories

■ **Anti-Static PVC Strip Curtains**

Designed to minimize static interference and maintain a clean environment.

■ **HEPA Filter Monitoring System**

Equipped with audio-visual alarms to alert users about filter conditions and maintenance needs.

■ **Clean-Down Timer with Hold Function**

Allows users to set cleaning cycles and pause operations as needed for maintenance.

■ **Variable Frequency Drive (VFD) Control Systems**

Energy-efficient motor control for optimized airflow and pressure management.

■ **Pressure Monitoring Tools**

Photoholic or digital pressure gauges to track and display pressure drops across filters.

■ **Sodium Vapor Lighting**

High-efficiency lighting for enhanced visibility in critical work areas.

■ **Flame-Proof Components**

Safety-certified fittings for use in hazardous or high-risk environments.

HORIZONTAL LAMINAR AIR FLOW

Designed for critical processes, this workstation provides an ISO Class 5 particle-free environment by supplying positive pressure HEPA-filtered air horizontally. At Shree Samarth Eng. Co., we ensure that your workstations are built with precision and reliability, meeting the highest standards for applications requiring contamination-free workspaces.



Description - Horizontal Laminar Air Flow Workstation MOC SS 304, 316, 316L

Component	Description
Supply HEPA Filter	Imported Minipleat HEPA filter with hot melt technology, conforming to EU-14 Grade with 99.997% efficiency for 0.3-micron particles.
Pre-Filter	Non-woven synthetic with HDPE mesh, conforming to EU-6 Grade, with 95% efficiency for 5-micron particles.
Motor Blower Assembly	Statically and dynamically balanced motor blower for consistent airflow and pressure.
Pressure Gauge	Magnéhelic Gauge (0-25mmwc: 1 No.) to monitor pressure drop across the HEPA filter
Lighting	LED light with milky white acrylic sheet (250 Lux) at the work surface.
ON/OFF Switches	Keypad switches for motor blower, UV light, and LED light.
Switch Socket	6/15 Amp single-phase socket for external equipment.
Work Table	Reinforced stainless steel work table.
Side Panel	Glass side panel for maximum visibility.

Component	Description
PAO Port	PAO test port upstream of the HEPA filter for integrity testing (with PAO solution).
Noise Level	Less than 75 dB on Scale 'A' when ambient noise is below 60 dB on Scale 'A'
Electrical Supply	230V AC 1-Phase 50 Hz / 415V AC 3-Phase 50 Hz.
Vibration Level	Minimal vibration during operation.

Additional Features and Accessories

■ **UV Light with Hour Meter**

Integrated UV sterilization system with an hour meter for precise usage tracking.

■ **SS 304 Gas and Air Cock**

High-quality stainless-steel fittings for gas and air control.

■ **Audio-Visual Alarm System**

Monitors HEPA filter conditions and alerts users for timely maintenance.

■ **Clean-Down Timer with Hold Function**

Allows users to set cleaning cycles and pause operations as needed.

■ **VFD-Based Control Systems**

Energy-efficient motor control for optimized airflow and pressure management.

■ **Photohelic Gauge**

Monitors and displays pressure drops across filters for efficient maintenance.

■ **Sodium Vapor Lamps**

High-efficiency lighting for enhanced visibility in critical work areas.

■ **Flame-Proof Fittings**

Safety-certified components for use in hazardous or high-risk environments.

VERTICAL LAMINAR AIR FLOW (VLAFF)

VLAFF cabinets create a dust-free, bacteria-free workspace by supplying vertical HEPA-filtered air, ensuring optimal protection for products and processes from contamination. At Shree Samarth Eng. Co., we design and manufacture VLAFF cabinets with precision engineering, delivering reliable and efficient solutions for industries requiring contamination-free environments. Our cabinets are built to meet the highest standards, providing consistent airflow and superior performance for critical applications.



Description - Vertical Laminar Air Flow (VLAFF) MOC SS 304, 316, 316L

Component	Description
HEPA Filter	Imported Minipleat HEPA filter with hot melt technology, conforming to EU-14 Grade with 99.997% efficiency for 0.3-micron particles.
Pre-Filter	Non-woven synthetic with HDPE mesh, conforming to EU-6 Grade, with 95% efficiency for 5-micron particles.
Motor Blower Assembly	Statically and dynamically balanced motor blower for consistent airflow and pressure.
Pressure Gauge	Magnéhelic Gauge (0-25mmwc: 1 No.) to monitor pressure drop across the HEPA filter.
Lighting	LED light (250 Lux) at the work surface.
ON/OFF Switches	Keypad switches for motor blower and lights

Component	Description
Switch Socket	6/15 Amp single-phase socket for external equipment.
Control Panel	Electrical control panel mounted inside the unit.
Work Table	Reinforced stainless steel work table.
PAO Port	PAO test port upstream of the HEPA filter for integrity testing (with PAO solution).
Side Panel	Toughened glass, SS sheet, or acrylic sheet side panels for maximum visibility.
Electrical Supply	230V AC 1-Phase 50 Hz / 415V AC 3-Phase 50 Hz.
Noise Level	Less than 75 dB on Scale 'A' when ambient noise is below 60 dB on Scale 'A'.
Vibration Level	Minimal vibration during operation.
Air Flow	Vertical airflow for contamination prevention.

Additional Features and Accessories

■ **Anti-Static PVC Strip Curtains**

Minimize static interference and maintain a clean, particle-free environment.

■ **Suspension Rods (MS or SS)**

Durable and customizable rods for flexible installation options.

■ **UV Light with Hour Meter**

Integrated UV sterilization system with an hour meter for precise usage tracking.

■ **SS 304 Gas and Air Cock**

High-quality stainless-steel fittings for reliable gas and air control.

■ **Foldable Polycarbonate Front Hinged Door**

Provides easy access while maintaining a contamination-free workspace.

Additional Features and Accessories

- **Audio-Visual Alarm System**

Monitors HEPA filter conditions and alerts users for timely maintenance.

- **Clean-Down Timer with Hold Function**

Allows users to set cleaning cycles and pause operations as needed.

- **VFD-Based Control Systems**

Energy-efficient motor control for optimized airflow and pressure management.

- **Photohelic Gauge**

Monitors and displays pressure drops across filters for efficient maintenance.

- **Sodium Vapor Lamps**

High-efficiency lighting for enhanced visibility in critical work areas.

- **Flame-Proof Fittings**

Safety-certified components for use in hazardous or high-risk environments.

AIR SHOWERS

Air showers are designed to remove particulate matter from personnel entering cleanrooms, ensuring a contamination-free environment. At Shree Samarth Eng. Co., we specialize in manufacturing high-performance air showers that combine advanced filtration technology with robust construction. Our air showers are engineered to deliver efficient particle removal, maintaining the integrity of cleanroom environments and meeting the stringent requirements of industries such as pharmaceuticals, biotechnology, and electronics. With a focus on precision and reliability, our air showers enhance cleanliness and operational efficiency, making them an essential component for critical environments.



Description - Air Shower (MOC SS 304, 316, 316L & GI Powder Coated)

<i>Component</i>	<i>Description</i>
<i>HEPA Filter</i>	Imported Minipleat HEPA filter with hot melt technology, conforming to EU-14 Grade with 99.997% efficiency for 0.3-micron particles.
<i>Combination Pre-Filter</i>	Non-woven synthetic with HDPE mesh, conforming to EU-6 and EU-4 Grades, with 95% efficiency for 10-micron particles.
<i>Pre-Filter</i>	Non-woven synthetic with HDPE mesh, conforming to EU-6 Grade, with 95% efficiency for 5-micron particles.

Component	Description
Motor Blower Assembly	Statically and dynamically balanced motor blower for consistent airflow and pressure.
Pressure Gauge	Magnéhelic Gauge (0-100mmwc: 1 No.) to monitor pressure drop across the HEPA filter.
Lighting	LED light (250 Lux) at the work surface.
ON/OFF Switches	Keypad switches for door entry and exit.
Control System	Interlocking system to prevent both doors from opening simultaneously.
Time Setting	Adjustable air shower operation time (30 seconds to 5 minutes).
Emergency Operation	Emergency stop button provided.
Door Opening	Straight entry and exit with 90-degree door opening.
Operation Mode	Automatic and manual modes available.
PAO Port	PAO test port upstream of the HEPA filter for integrity testing (with PAO solution).
Door	SS 304 double-walled doors with toughened glass view panels and door closer.
Electrical Supply	230V AC 1-Phase 50 Hz / 415V AC 3-Phase 50 Hz.
Noise Level	Less than 75 dB on Scale 'A' when ambient noise is below 60 dB on Scale 'A'.
Vibration Level	Minimal vibration during operation.

Additional Features and Accessories

- **Audio-Visual Alarm System**

Monitors HEPA filter conditions and provides alerts for timely maintenance, ensuring optimal performance.

- **Clean-Down Timer with Hold Function**

Allows users to set cleaning cycles and pause operations as needed for maintenance.

- **VFD-Based Control Systems**

Energy-efficient motor control for optimized airflow and pressure management.

- **Photohelic Gauge**

Monitors and displays pressure drops across filters for efficient maintenance and performance tracking.

- **Flame-Proof Fittings**

Safety-certified components designed for use in hazardous or high-risk environments.



SS SCRUB



SS INSPECTION TABLE



**MATERIAL TRANSFER
TROLLEY**



VISUAL INSPECTION TABLE



SS BASIN TABLE



ANTI VIBRATION TABLE



DUSTBIN



MOPPING TROLLEY



COMPUTER TABLE



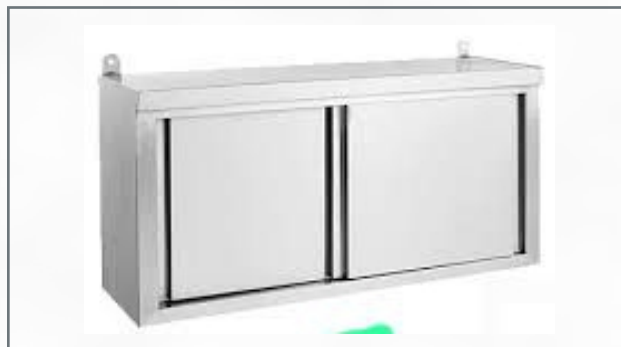
SS GLASS FRAME



SS RACKS



APRON CUPBOARD



SS WALL CABINET



KITCHEN TROLLEY



**SS DOUBLE BOWL
KITCHEN SINK**



CANTEEN TABLE WITH STOOL



CAGE TROLLEY



PALLETS



SS STOOL



S TYPE CROSS OVER BENCH



CROSS OVER BENCH WITH DUSTIN



SS 316 SCOOP



SS CHAIR



SS/MS WORKER LOCKER



MS/SS RACK



SS ALMIRAH



DRAIN TRAP



SS LOAF TROLLEY



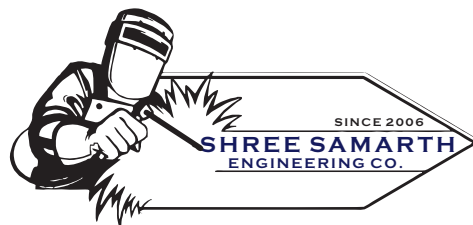
SS WORK TABLE



SS SHOE LOCKER



SS WALL CABINET



Shree Samarth Engineering Co.

– A Place Where Creativity Meets Precision

👤 RAGHUNATH NAGULA : 7767886111 / 7972941966

✉️ raghu_nagula@yahoo.com

📍 13/14, Virar industrial estate, Jivdani panchpairi, Chandansar Road, Virar (East), palghar, mumbai, Maharashtra, India. Pin code- 401303