



STRIDE

ENGINEERING SOLUTIONS

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INTRODUCTION

We introduce Stride Engineering Solutions as an engineering company which is engaged in manufacturing, contracting, research, trading and distribution; based in Mumbai. It is driven by highly qualified professionals with years of rich experience in the field of engineering and consultation at national and international level.

Under Stride-es, we provide turnkey solutions for industrial and commercial projects covering almost all the sectors. At Stride-es, we supply a range of Spray painting equipment and their accessories. In addition to it, we also conduct AMCs of painting plants. We supply spares and consumables for paintings plants.

Lastly our success is inextricably linked to our professional and technical capabilities and to our team of highly committed and skilled staff and the strong support from our suppliers. We have served our clients with quality, punctuality, professionalism and dedicated to our work ethics which make Stride-es as the first preference for turnkey engineering solutions.

AIR ASSISTED MANUAL SPRAY GUN

1. Gravity Feed gun

This range is designed for tough working conditions mainly for touchup of Automobiles, Furniture, Fabrication, Light Industry, Water Borne Applications and Paints like Enamels, Ceramics , Metallic, Medium Solids, Urethanes, Epoxies, Lacquer, Primers, UV painting.



FEATURES

- Same Gun works with gravity Feed.
- High quality design Air Cap for efficient spraying with perfect atomization.
- Flexible ergonomics with swivelling cup for upside painting.
- Sturdy design for tough environment.
- Wide and uniform spraying pattern.
- Easy to maintain, due to minimum parts.

2. Pressure Feed Gun

This range is designed for tough working conditions and suitable for Automobiles, Furniture, Fabrication, Light Industry, Water Borne Applications and Paints like Enamels, Ceramics, Metallic, Medium Solids, Urethanes, Epoxies, Lacquer, Primers, UV painting.



Features

- Gun works with pressure Feed.
- High quality design Air Cap for efficient spraying with perfect atomization.
- Flexible ergonomics with swivelling cup for upside painting.
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Technical specification

| Type of Gun | | Gravity Feed | Pressure Feed |
|-------------------------|------|--|--|
| SPECIAL ADVANTAGE | Red | ✓ | ✓ |
| | Blue | ✓ | — |
| Cup Capacity | | 150 ml, 350 ml & 600 ml (SS / Plastic) | Pot capacity range - 2 ltr. to 50 ltr. |
| Nozzle Size in mm* | | 0.8, 1, 1.2, 1.4, 1.6, 1.8, 2 | |
| Pattern Width | | 50 to 250 mm | |
| Body | | Light Aluminum Forged | |
| Weight | | 600 gms | |
| Air Inlet | | ¼ BSP | |
| Air Consumption in CFM | | Range from 5 to 12 (depends on adjustment) | |
| Required Air Compressor | | Maximum 6 Bar / Min 2 HP | |
| Suitable Paints | | Enamels, Medium Solids, Urethanes, Epoxies, Lacquer, Primers, etc. | Enamels, Metallic, Medium Solids, Urethanes, Epoxies, Lacquer, Primers, UV painting etc. |

Pressure Feed System

Standard pressure feed system

Pressure Feed System is a compact & efficient System. Paint tank made of SS and MS material. The 2.5 ltr. tank is widely used where there is substantial lower consumption of paint.

The pressure feed system contains an Spray Gun, Air Hose, Paint Hose, Connectors and Pressure Tank (Air Regulator, Pressure Gauge, Safety Valve, Fluid cut off Ball Valve, Fluid Tube with Suction Strainer & a manual stirrer is provided in the tank to maintain paint viscosity).

Pressure Feed Containers are available for a wide range of applications and in sizes from (5 litres to 90 litres). The standard construction is suitable for all normal finishing fluids in various industries.



1. Pressurized feed and flush system

We have introduced Feed & Flush Paint Feeding System which contains two separate tanks one for Paint & another for Solvent mounted on a trolley fixed with wheels which makes it easy to move anywhere in the Shop floor. The system is operated by a three way valve from where the operator can run Paint line or solvent line as on requirement. Feed & Flush system enhances your painting application performance as the system saves your paint & time.

Due to separate solvent line availability, the operator can flush the system with solvent directly after the painting work done which is helpful in quick color change and it saves the operators time a lot.

We supply Feed & Flush system in combination of (9+9) ltr., (9+22) ltr. & (9+45) ltr. in MS & SS material to suit paint characteristic. This system is widely in operation in various industries due to its features & performance.

2. Non-Pressurized feed and flush system

We has introduced Feed & Flush Paint Feeding System which contains two separate tanks one for Paint & another for Solvent mounted on a trolley fixed with wheels which makes it easy to move anywhere in the Shop floor. The system is operated by a three way valve from where the operator can run Paint line or solvent line as on requirement. Feed & Flush system enhances your painting application performance as the system saves your paint & time.

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Paint Circulation System

Paint circulating system is the modern method of supplying paint directly from Bulk Store to the Point of Use. We provide Centralised / localised paint re-circulation system with paint kitchen for continuous paint feeding application to eliminate paint viscosity variation, time wastage and manpower.

We have extensive experience in designing and installation of complete Paint Circulating System from small single color spraying system to large automobile multicolor paint circulating system. Our paint mixing tank provide the most effective means of preparing and maintaining controlled paint supply for paint circulating system.

Paint circulation nowadays is one of the most demanding applications in various industries. Many new high solid paints require constant flow to eliminate settling down of paint. In fact, automotive paints generally require a fluid velocity of 60 min. to eliminate settling .

Paint re-circulation can be achieved by using Double Diaphragm pump or Piston Pumps positioned on Centralised Paint Storage Container with pneumatically operated Agitators, level indicator, suitably connected using Fixed / Flexible Piping with Fluid regulators on forward and return line with necessary inline filter and pulsation removal chamber.



1. Low Pressure Paint Circulating

Low Pressure Paint circulating system is the modern method of supplying paint directly from Bulk Store to the Point of Use. We provide Centralised / localised paint re-circulation system with paint kitchen for continuous paint feeding application to eliminate paint viscosity variation, time wastage and manpower. In this conventional spray guns are used as shown above.

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2. Airless Spray Painting Setup

Airless spray is a method of atomizing paint without the use of compressed air. The paint is pumped under high pressure through a supply line to an airless gun.

The paint is forced at high pressure through a small opening at the front of the valve, called the orifice, or spray tip. The tip restriction (orifice) forms a spray pattern. The break-up of material into small droplets is called atomization.

• Advantages of Airless Spray

- Airless has less overspray or “bounce back” of material than air spray.
- More efficient than conventional spray. Airless has transfer efficiency of 60% to 90%
- A thicker coat of material can be applied in a single pass. With the high pressure of airless spray, high viscosity materials can be atomized without costly solvent reduction.
- Airless accommodates faster production line speeds. More paint can be applied at a heavier mile thickness.

3. Paint Kitchen Room

In 2K/ 3K paint kitchen room set up, We has a paint mixing system to supply mixed fluid, such as paint and hardening agents for finishing coats discharged from the gun. It is able to supply high-precision mixed material according at a fixed ratio. Other than the electronic paint mixing device installed on the line, we also have pumps that can pump and mix materials at the same time.

This is a device that mixes two fluids in the line from pump to gun. Fluids are mixed at a specified ratio and supplied to the gun. A high-precision electronic mixing device is available for large-capacity paint plant lines. We also have a full line-up of automatic color changing mixing devices that enable washing and changing colors without removal from the booth.

Paint Booth Maintenance

We Service All Paint Booths

Properly servicing your spray booth throughout its service life is just as important as choosing a quality spray booth from the offset, especially if you want to maintain a consistent level of operational efficiency, maximize your spray booth's longevity and reduce its whole-life cost. Your in-house maintenance personnel and most service contractors may be able to keep your equipment operational, but it takes spray booth experts with decades of institutional experience to properly recognize equipment inefficiencies that may be reducing your productivity or even creating safety or compliance issues.

At Spray Booth Services, we service all makes and models of spray booths, and we are renowned for our specialized knowledge and experience working with this specific type of industrial equipment.



Spray Booth Services – Nationwide Maintenance

Spray Booth Services has taken on the challenge of correcting the many errors and misinformation that are present in the paint industry. With knowledge and experience, an option is now available nationwide to paint shops to correctly maintain and upgrade their equipment to ensure peak performance.

After diagnosing and evaluating equipment within a location in person by a trained representative, a comprehensive plan is created. The comprehensive plan includes a process to bring the equipment up to peak operating capabilities as well as a detailed plan on how to maintain the equipment to ensure longevity and quality of paint finishes for customers.

Avoid Equipment Breakdowns

Our experience has shown that many service calls and equipment breakdowns can be avoided with regular maintenance. As such, we have created a maintenance program that helps you maximize your spray booth “up time” so you can maximize your revenue.

Specific Benefits Of Our Maintenance Program Include:

- Spot minor issues before they become major crises
- Works more efficiently, meaning higher productivity and profit
- Review performance with a qualified technician
- Priority client – if your booth is down, you come before non-maintenance clients
- Keep your equipment operating in the best possible condition
- Reduce breakdowns and improve performance
- Written condition report – see the operating condition of your spray booth

Accessories

Paint Hose
Air Caps
Fluid Tip
Ceiling Filters
Spanner

Air Hose
Connectors
Fluid Needle
Fresh Air Filters
Peelable Coating

Gravity Cup
Gun Filters
Paint Arrestance Filters
Gun Repair Kit
Booth Additives



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