

# COMPLETE SOLUTION FOR PAINTING, BAKING AND CURING



National Enterprises manufactures a variety of Paint Spray Systems/ Booths & Rooms.

Whether your application is unique or standard, we have Paint Spray Booths that will fit your needs and your budget. We make booths that last.



Spray painting poses health hazards that affect the respiratory, nervous, and circulatory systems. Similarly, using solvents to clean one's hands of paint marks and residue may cause skin irritation or even

more serious issues since many are carcinogenic or neurotoxic. There are risks involved in working with substances such as paint and thinner, which contain compounds that are potentially harmful to health, or even fatal. A spray booth helps to remove any unwanted particles in the air and stops your components' paint job from becoming bubbly or uneven. The spray booth comes with a built-in filtration system to extract any dangerous fumes and reduces static build up, as a result there is less dust adhesion to surfaces. Our paint spray booth creates an optimum environment for electrostatic painting and powder coating.

## TYPES OF PAINT BOOTH SYSTEMS

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### PAINT BOOTH SYSTEMS

#### DRY TYPE PAINT SPRAY BOOTH



#### WET TYPE PAINT SPRAY BOOTH

DOWN DRAFT/  
DRAUGHT

END DRAFT/  
DRAUGHT

SIDE DRAFT/  
DRAUGHT

WATER CURTAIN  
TYPE

# DRY TYPE PAINT SPRAY BOOTH SYSTEMS



## DOWN DRAUGHT PAINT SPRAY BOOTH SYSTEM

The Vertical Down Draft Paint Spray Booth is suitable for conventional, air-less and electrostatic spray painting and its consists of painting chamber, Inlet Air Filter, Paint Trap Filters, axial flow Fan, electric motor, duct and canopy etc. The design of the paint booth will be a vertical down draft type paint booth with disposable paint trap filters on the floor. The intake air into the paint booth is filtered by an intake filter to avoid foreign particle deposition on the painted surface. In this type of paint booths, the air is sucked from the bottom and exhausted from the side duct.

### ENCLOSURE

Spray booth is rigid, has a customisable shape and has a bolted construction. The structure is self-supporting and will not need supporting foundation except for fixing bolts. Fabricated out of 18 swg M.S. Sheet panels bolted with structural steel for rigidity.



### FUNCTIONS

- Maintains dust level to minimum, prevents spreading of paint and maintains clean air at the operators breathing level.
- Collects over sprayed paint, solid and discharge solvent fumes outside the building.
- Reduces the risks of hazards.



#### REGISTERED OFFICE:

A 1708, FIRST FLOOR,  
GREEN FIELDS,  
FARIDABAD 121003,  
HARYANA, INDIA.



#### CORPORATE & SALES OFFICE:

12/2 MAIN ROAD, OPP. LUMAX  
AUTOMOTIVE SYSTEMS  
LTD.,NR. SEC-37 MODH,  
FARIDABAD-121003,  
HARYANA, INDIA.



#### MANUFACTURING UNIT:

PLOT NO. 2, GALI NO. 1,  
KHASRA NO. 7, BEHIND  
RAJESH DHARAM KANTA,  
VILLAGE BAJRI, DABUA  
PALI AREOAD, FARIDABAD  
121004, HARYANA, INDIA.



# DRY TYPE PAINT SPRAY BOOTH SYSTEMS



## END DRAUGHT PAINT SPRAY BOOTH SYSTEM

The End Draft Paint Spray Booth is suitable for conventional, air-less and electrostatic spray painting and its consists of painting chamber, Inlet Air Filter, Paint Trap Filters, axial flow Fan, electric motor, duct and canopy etc. The design of the paint booth will be a end draft type paint booth with disposable paint trap filters on the side end and the air is exhausted from the sides. The intake air into the paint booth is filtered by an intake filter to avoid foreign particle deposition on the painted surface. The intake air is sucked into the room by the extraction modules located on the floor.

### ENCLOSURE

Spray booth is rigid, has a customisable shape and has a bolted construction. The structure is self-supporting and will not need supporting foundation except for fixing bolts. Fabricated out of 18 swg M.S. Sheet panels bolted with structural steel for rigidity.



### FUNCTIONS

- Maintains dust level to minimum, prevents spreading of paint and maintains clean air at the operators breathing level.
- Collects over sprayed paint, solid and discharge solvent fumes outside the building.
- Reduces the risks of hazards.



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# DRY TYPE PAINT SPRAY BOOTH SYSTEMS



## SIDE DRAUGHT PAINT SPRAY BOOTH SYSTEM

The Side Draft Paint Spray Booth is suitable for conventional, air-less and electrostatic spray painting and its consists of painting chamber, Inlet Air Filter, Paint Trap Filters, axial flow Fan, electric motor, duct and canopy etc. The design of the paint booth will be a side draft type paint booth with disposable paint trap filters on the side. The intake air into the paint booth is filtered by an intake filter to avoid foreign particle deposition on the painted surface. The intake air is sucked into the room by the extraction modules located on the floor. OUR SIDE DRAFT BOOTHS ARE AVAILABLE AS BOTH DRY & WET TYPE.\*

### ENCLOSURE

Spray booth is rigid, has a customisable shape and has a bolted construction. The structure is self-supporting and will not need supporting foundation except for fixing bolts. Fabricated out of 18 swg M.S. Sheet panels bolted with structural steel for rigidity.



### FUNCTIONS

- Maintains dust level to minimum, prevents spreading of paint and maintains clean air at the operators breathing level.
- Collects over sprayed paint, solid and discharge solvent fumes outside the building.
- Reduces the risks of hazards.



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# WET TYPE PAINT SPRAY BOOTH SYSTEMS

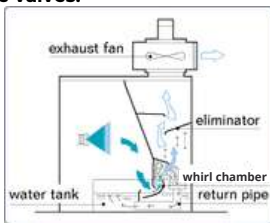


## WATER CURTAIN TYPE PAINT SPRAY BOOTH SYSTEM

Our Water Curtain Paint Spray Booths are Modular In Construction, Manufactured From Galvanised Steel Folded Panels. The Width And Height Of The Water Curtain Paint Spray Booth Are Selected By Our Engineers Based Upon Specific Site Conditions And Can Be Tailored To Suit The Application. The spray painting is carried out by operator with the help of spray painting gun. The paint fume particles are sucked by the partial vacuum created by an exhaust fan through a water curtain. The air is cleaned by scrubbing action in turbulent water. The particulate matter that remains floating in the water tank is periodically removed manually. The air discharged into the atmosphere is clean and thus keeps the environment healthy and friendly.

### CONSTRUCTION & DESIGN

The practical expertise enables us to design the Water Curtain Spray Booth with superior performance. The spray booth is modular in construction so that booth can be easily installed, modified or integrated into a complete plant. The additional middle suction, clearly provides improved air guidance and better suction of hazardous paint fume particles. The water film thickness on the drain wall can be adjusted individually via throttle valves.



### ESSENTIAL ELEMENTS:

• **Exhaust Fan Motor:**

Our paint spray booths are mounted with high efficiency centrifugal exhaust fans and motors to suck the fumes and particulates in the air.

• **Water Pump & Piping:**

Water pumps and suitable piping arrangement is mandatory for circulation of water.

• **Throttle Valve:**

It helps in controlling the water film thickness on the drain valve.

• **Safety Gear:**

Prevents respiratory & skin issues.

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