

*“Spraybooth is an investment that pays rich dividends
by providing superior quality finish,
increase in productivity & better working conditions.”*

**MEC
SHOT**  [®]



Complete Solution for
Painting & Baking



Introduction

A complete solution provider in the field of surface preparation & paint spray booth provides its expertise for every industries. MEC SHOT has design, manufactured, installed, erected & commissioned huge turnkey projects for various renowned giant industries like BHEL, Air India, Hindustan Aeronautics, Bharat Earth Movers, Bhabha Atomic Power, Diesel Locomotive, Cofmow, Thermax, Suzlon, Alstom, Grandprix, Va-Tech, VRV, Volvo, Larsen & Tubro, ABB, Hyvy India, Sabic-Kuwait, Kharafi International-Dubai, Kenyan Railway etc. The various type of paint spray booth catered by MEC SHOT are as :

- Down Draft Paint Spray Booth
- Semi-Down Draft Paint Spray Booth
- End Draft Paint Spray Booth
- Down Draft Wet Paint Spray Booth
- Water Curtain Paint Spray Booth

Salient Features

- No sludge disposal.
- All modular construction.
- High particulate removal efficiency.
- Healthy and pollution free work environment.
- Access door window is with clear toughened glass.
- The efficient centrifugal fan guarantees superior air movement & quite operation.
- Special design of intake & exhaust filtration provides for even air movement inside the booth.

Benefits At Glance

- **ENHANCE QUALITY OF WORK**
Remove over spray effectively, thus eliminate its setting on wet painted components.
- **OPERATOR COMFORT & HEALTH**
Provides clean air to the operator, taking away optimized paint particles through the exhaust.
- **SAFETY**
Spraying paint may involve fire risk from both solvent vapours and continuously over spray deposits. A risk eliminated by using a spray booth.
- **LAW**
In compliance with stringent pollution control norms.
- **INCREASE PRODUCTIVITY**
Decrease operating cost due to elimination of water curtain chemical, maintenance & electrical cost.
- **ENVIRONMENT**
Eliminate hazardous sludge disposal.

Down Draft Paint Spray Booth

The Vertical Down Draft (the direction of flow of air is towards the floor of spray booth) Paint Spray Booth is suitable for conventional, airless 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 of vertical down draft type paint booth with disposable paint trap filters on floor. The intake air into the paint booth is filtered by 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.

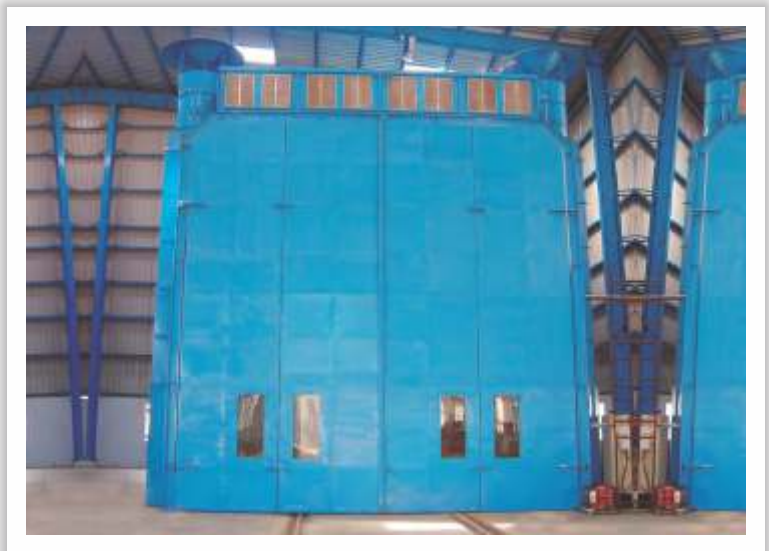


Enclosure:

Spray booth is of rectangular shape rigid bolted construction. The structure is self-supporting and will not need supporting foundation except fixing bolts. Fabricated out of 18swg 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 fire hazard.



Paint Spray Booth

Semi-Down Draft Paint Spray Booth

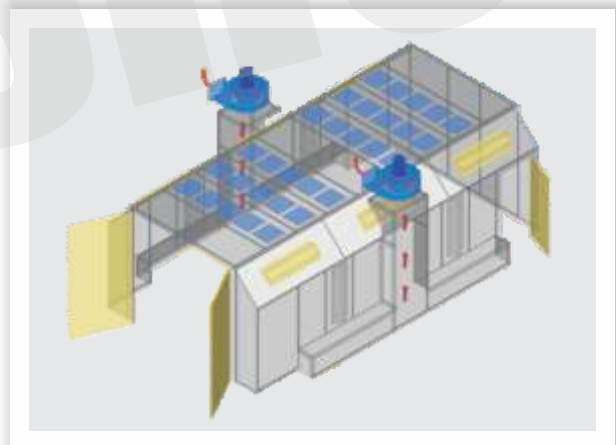
The Semi Down Draft (the direction of flow of air is towards the side walls of spray booth) Paint Spray Booth is suitable for conventional, air-less and electrostatic spray painting and its consists of painting chamber, Inlet Air Filter, Paint Trap Filters, axial flow Fan, electric motor, duct and canopy etc. The design of the paint booth will be of semi down draft type paint booth with disposable paint trap filters on side walls. The intake air into the paint booth is filtered by 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 side walls.

Enclosure:

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

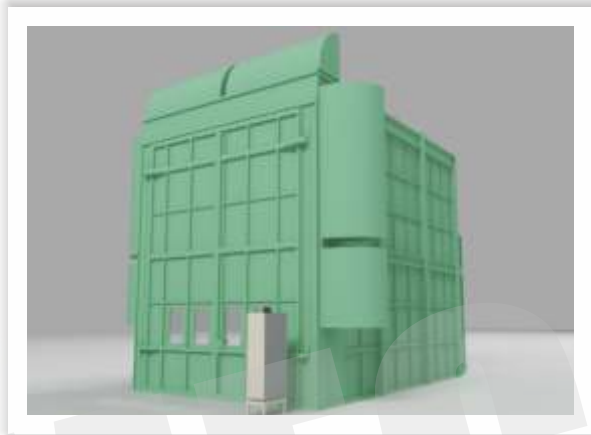
Functions:

- 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 fire hazard.



End Draft Paint Spray Booth

The End Draft (the direction of flow of air is towards the floor of spray booth) 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 of End Draft type paint booth with disposable paint trap filters on floor. The intake air into the paint booth is filtered by 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 back wall.



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 fire hazard.

Enclosure:

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



