Global Finishing Solutions

Truck and Large Equipment
Galvanized Spray Booths

- Heavy-Duty Construction
- Inside Accessible Energy Efficient Light Fixtures
- Pressurized and Non-Pressurized Models
- Expandable Modular Designs
GFS Spray Booths

GFS provides the industry’s most comprehensive line of spray booth products and systems for its global base of general industry and manufacturing customers. Complimented by state-of-the-art, flexible and cost-effective solutions, GFS is the preferred source for finishing process equipment. All GFS products are designed with one common goal: the ability to produce a superior quality finish in the most efficient manner.

GFS Spray Booths feature a modular design. This approach offers the economy of a standardized line of spray booths while making available a variety of sizes and configurations to fit a broad range of finishing processes. Custom designs are available and may include white pre-coated panels.

**Code Requirements**

As fire, electrical, and building codes vary from one area to another, consult the local authority having jurisdiction before purchasing a spray booth.

GFS Spray Booths comply with the requirements of the Uniform Fire Code (U.F.C. 45), International Fire Code and National Fire Protection Association (NFPA 33) explosion relief requirements and (NFPA 86) air inside the booth is raised above ambient temperature, additional clearances may be required above or beside the booth.

**Custom Designs**

The height, width, and depth can be custom designed to meet specific requirements. In addition, personnel lifts and many other custom options can be added to meet your specifications.
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<th>Booth Model No.</th>
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<th>Outside Dimensions</th>
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<th>Product Doors Model</th>
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**16 Ft. Inside Width**

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**Product Doors:**
- **PDF2** = Solid Swing, 2-Panel doors
- **PDF4** = Filtered Bi-Fold, 4-Panel doors (optional consult GFS)
- **PDF4** = Filtered Bi-Fold, 4-Panel doors (optional consult GFS)
- **Drive Thru models include 2 sets of product doors**
- **Solid Back models include 1 set of product doors**
## Side-Downdraft Booths

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**Product Doors:**
- PDS2 = Solid Swing, 2-Panel doors
- PDS4 = Solid Bi-Fold, 4-Panel doors (optional consult GFS)
- Drive Thru models include 2 sets of product doors
- Solid Back models include 1 set of product doors
### Downdraft Booths

<table>
<thead>
<tr>
<th>Booth Model No.</th>
<th>Inside Dimensions</th>
<th>Outside Dimensions</th>
<th>No. Light Fixtures</th>
<th>No. Access Doors</th>
<th>Product Doors</th>
<th>Exhaust Fan</th>
<th>SDM @ 3/4&quot;</th>
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<td>4</td>
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<td>16Wx14H</td>
<td>42°</td>
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</table>

**Product Doors:**
- PDS2 = Solid Swing, 2-Panel doors
- PDS4 = Solid Bi-Fold, 4-Panel doors (optional consult GFS)
- Drive Thru models include 2 sets of product doors
- Solid Back models include 1 set of product doors
Features

Truck and Large Equipment Spray Booths

Truck and Large Equipment Booths are designed, engineered, and manufactured to meet the needs of the transit, recreation, agriculture, construction, large equipment and trucking industry. Booths are constructed of single skin, G-90 galvanized panel construction (pre-coat white optional), available with a solid back or drive-thru design. Booths may be pressurized with or without air replacement systems.

Crossdraft Design

- Pressurized horizontal flow
- Lower price
- Multi-filtered airflow
- T-8 color corrected tubes
- Optional Cure package

- Most economical model
- Crossdraft airflow
- Non-pressurized
- T-8 color corrected tubes

Side-Downdraft Design

Side-Downdraft spray booth are designed for locations where pit construction is not possible.

- Downdraft airflow
- Airflow management
- Contamination control
- Multi-filtered air
- High production environment
- T-8 color corrected tubes
- Optional Cure package

Downdraft Design

- Downdraft airflow
- Precise temperature most fuel efficient
- Air flow management
- Contamination control
- Multi-filtered air
- High production environment
- T-8 color corrected tubes
- High quality finishes
- Optional Cure package

Heavy-Duty Construction

Booths are constructed of 18-gauge galvanized sheet steel. Panels are pre-punched, companion flanged and bolted on six-inch centers for easy fit and fast assembly.

Complete Package

Booths are shipped complete with heavy-duty exhaust and totally enclosed fan cooled motor, personnel access door(s), product doors, manometer, fluorescent light fixtures, intake and exhaust filters with grids, all necessary assembly hardware and installation drawings.
Efficient Light Fixtures
GFS lights are 4 tube, 4 foot, inside access, ETL listed [report #3080616-H01] Class I, Division 2 fixtures.
- T-8 high color corrected tubes
- 120/277 volt, 50/60Hz lighting

Options:
- Six tube light fixtures
- Corner and hip lights, (4 or 6 tubes)
- Rear access light fixtures
- 347 volt lighting

Plenums
Intake & Exhaust
Used to enclose or supply air directly to spray booths for maximum cleanliness or when heated air replacement is used.
- Overhead input plenums
- Industrial exhaust plenums are used to exhaust air for booths with conveyor openings or booths that use side access doors for product entry and exit.
- Bridge style intake plenums are used to supply air to booths with end product entry and/or exit doors. They may be used with solid doors or a solid back wall to completely enclose the working area of the booth.

Product Doors
Solid & Filtered
- Filter entry doors allow product entry and exit while filtering the input air. These doors attach directly to the front of the booth, add no depth to the booth, and are used with non-pressurized booths.
- Solid entry doors are used with pressurized input plenums to enclose paint booths in pressurized applications.

Note: Product Doors can be either Swing “2 panel” doors or Bi-Fold “4 panel” doors.

Control Panels
Each panel is cUL 508 Listed - Each kit includes:
- Panel mounted disconnect
- Magnetic motor starter with overloads
- Fused branch circuits
- Panel mounted controls
- Lighting transformer based on panel

Some booths may require custom panels based on the fan configuration and number of motors. PLC, VFDs, Auto-Balance and Consta-Flow systems are also available.

CONTROL PACKAGES
Control packages allow you to order one number and receive all the necessary electrical controls for a specific booth model. Each kit includes, fused disconnect with fuses, magnetic motor starter with overload heater and 120V control coil, air solenoid for safety interlock (120V), light switch 120V or 277V and push button motor starter. Some booths may require multiple control packages based on the fan configuration.
Spray Booth Selection Guidelines

Many factors contribute to the selection of the proper spray booth for your needs. The following guidelines may help you in your spray booth selections.

Width

To determine the necessary width, measure the width of the largest article, including fixture or pallet, and add 5 feet to allow for access to the sides of the part. In conveyorized processes the width must be sufficient to allow finishers to complete the finishing operation within the allotted time, and spraying should not be closer than 2 feet from the conveyor opening.

Height

The height of the booth is determined by the overall height of the largest item plus the height of its holding fixture plus 2 feet clearance. Ample room should be allowed for the finisher to spray the top and bottom of the object. In conveyerized booths the booth internal dimensions should be higher than the top of the conveyor rail.

Depth

Working depth should be sufficient for the object to be within the enclosure plus 3 feet clearance at the rear (from the filters).

Air Velocity/Ventilation

The air velocity or ventilation rate must be sufficient to insure that the solid particles and flammable vapors are confined to the inside of the spray booth.

All booths are configured to meet velocity and ventilation requirements. Conveyor and crane openings must be given consideration when calculating the total airflow of the spray booth. Consult GFS system designers.

Exhaust Stack

Exhaust stacks are required to ventilate the booth to the outside. The stack should be the same diameter as the fan. The stack should discharge vertically for adequate exhaust air flow, and GFS recommends that it extend a minimum of 6 feet above the roofline or as required by local codes.

Air Replacement

In order to ensure proper air balance, GFS air replacement systems are designed to deliver fresh filtered or heated air into a building or booth.

Doors

Ensure that the door openings will accommodate the dimensions of the object being brought into the booth.

Product Availability

- Options may extend delivery time.
- Shipments are based on options and drawing approval.
- Air replacement systems may require additional lead-time.