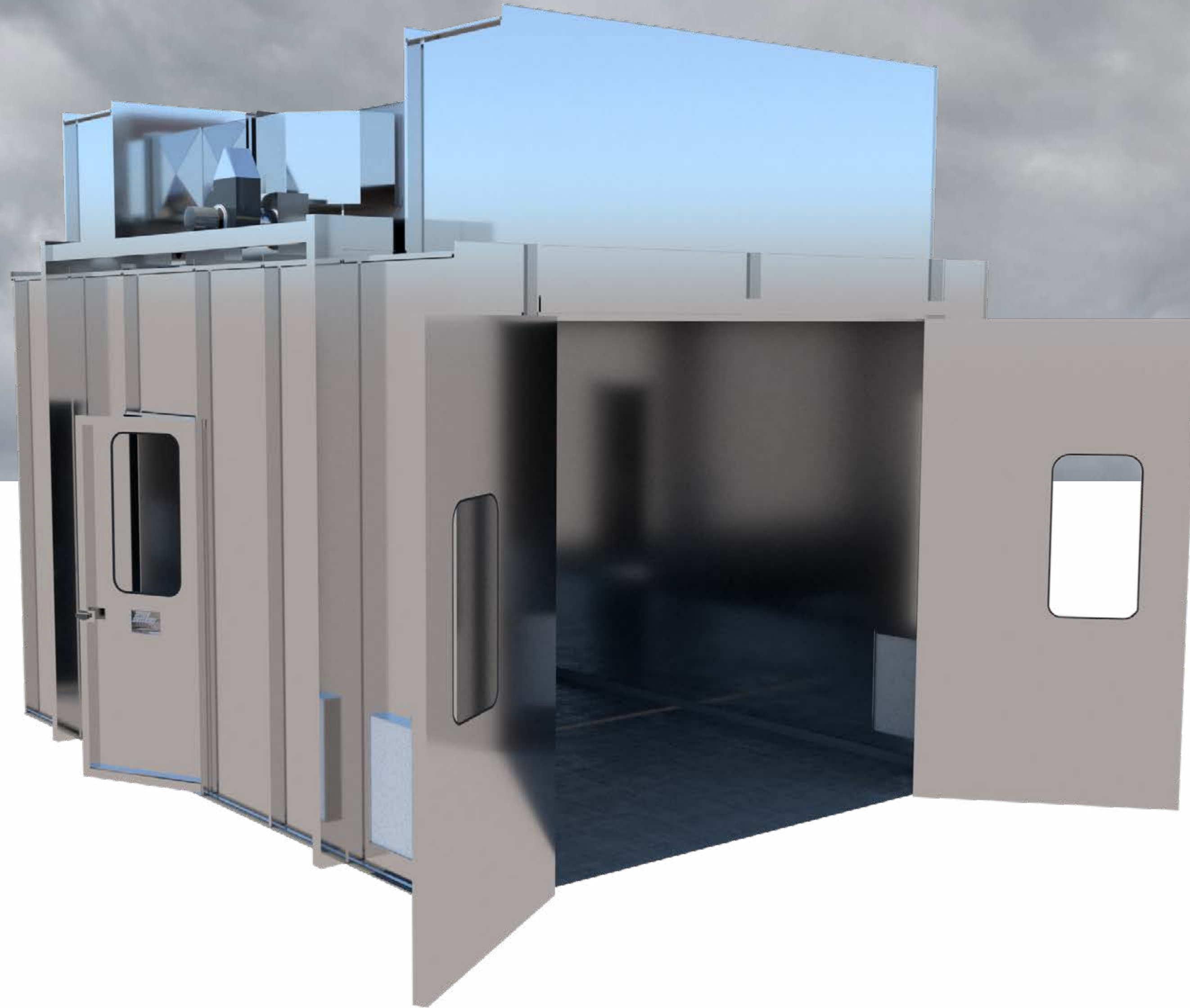




Engineering Beyond the Booth

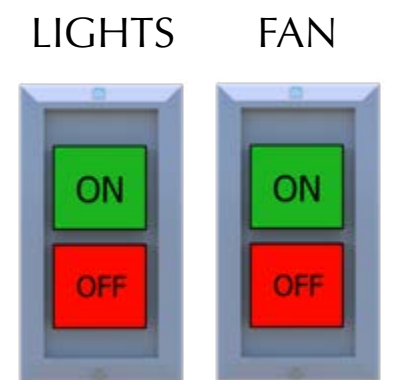
# Industrial Drying Enclosure



## Industrial Drying Enclosure

You can increase productivity and accelerate the drying time of waterborne and solvent-based coatings by using a Spray Systems Industrial Drying Enclosures...

[Read More](#)



**Designing Your Drying Enclosure to Ensure the Highest Quality Finish**



# Industrial Drying Enclosure

## While Designing Your Drying Enclosure for Optimal Curing...

Engineering Beyond the Booth

### Standard Design Features

#### DIMENSIONS:

Drying enclosures can be adapted to your specific size and heating requirements

#### DRYING ENCLOSURE/DOOR CONSTRUCTION:

18 gauge G90 galvanized prime steel  
Pre punched holes on 6" centers  
Easy nut and bolt assembly  
Heavy duty safety latches

#### LIGHTING:

High efficiency fluorescent light fixtures to accommodate the size of the enclosure  
UL Approved, 48", 4-tube (T-8) 120 Volt  
Positive dust tight seals

#### EXHAUST FAN/MOTOR:

High efficiency Tubaxial fan with TEFC Motor - 208/230/460V-60hz-3PH - to exhaust 20% of enclosure's volume as required by NFPA-86  
208/230/460V-60hz-3PH - to exhaust 20% of enclosure's volume as required by NFPA-86 Non sparking blade, enclosed belts and bearings

#### INTAKE FILTERS:

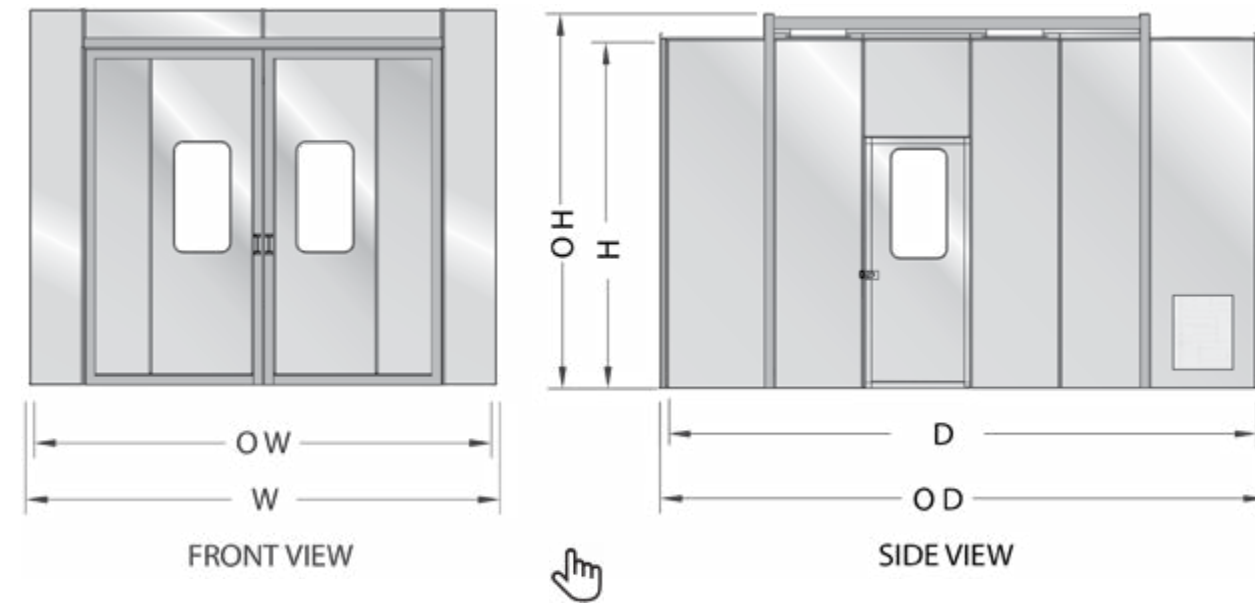
Vitex intake filters, Type R-1  
20" x 25" with built in reinforcement frames

#### MISCELLANEOUS:

All necessary hardware and caulking is included

#### OPTIONS:

Turbulence Fan System (TFS)  
Additional lighting / Additional length  
Convection Curing System  
2" thick insulated panels



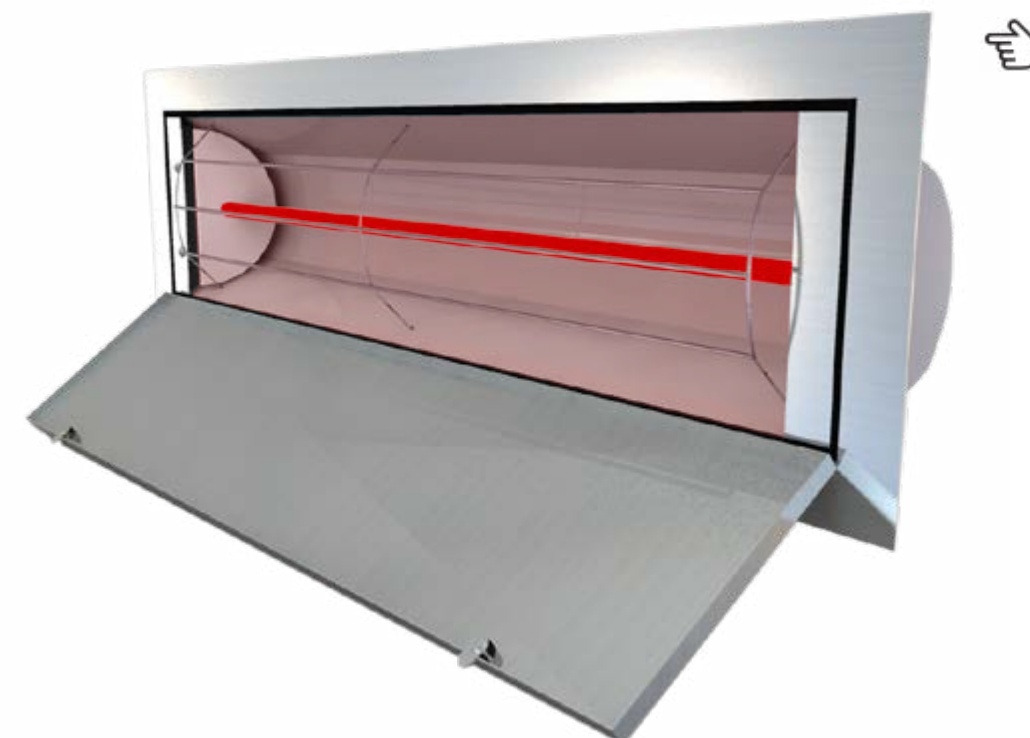
### Turbulence Fan System (TFS)

An adaptable kit for your Drying Enclosure requirements

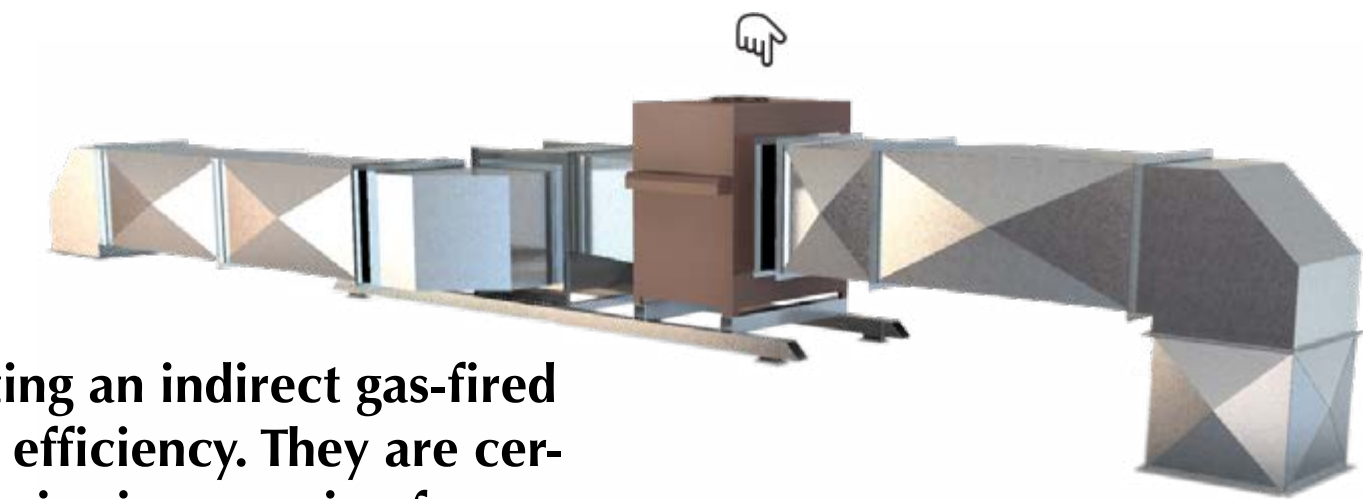
- 20" diameter, Spray Systems Turbulator Fans
- Direct drive fan and mounting system
- VFD-controlled drive motor allows for adjustable fan RPM and turbulent flow
- Turbulent Timer NEMA-12 Control Panel
- OSHA approved safety guard
- Kits are available for retrofitting to an existing booth

### Infrared Curing

Cure from the inside out. Unlike heated recirculating systems that depend on hot air to dry paint from the top layers down, the Infrared system uses narrow energy waves emitted from the quartz tube that passes through the air with minimum molecular contact. As the waves continue into the liquid coating the more dense molecular structure of the paint absorbs more of the energy. When the energy waves contact the solid substrate, all of the remaining energy is absorbed and conducted evenly throughout the sub



### Recirculating Convection Type Heating System



Recirculating heaters are designed utilizing an indirect gas-fired heater with a greater than 80% thermal efficiency. They are certified to use with natural or propane gas, in sizes ranging from 75,000 to 400,000 BTU/HR input...

[Read More](#)

### Controls





# Engineering Beyond the Booth

Engineering Beyond the Booth

## Booth Designs

- Open Face Booths
- Enclosed Booths
  - Cross Draft
  - Down Draft
  - Side Down Draft
  - Semi-Down Draft
  - Spray Bake

## Booth Types

- Bench Booths
- Blasting Enclosures
- Booth Extensions
- Conveyorized Spray Booths
- Customized Duct Designs
- Dry Filter/Industrial Booths
- Dust Collectors
- Grinding Booths
- Powder Booths
  - Recovery type
  - Non-Recovery type
- Truck and Large Equipment Booths
- Water Wash Spray Booths
  - Centrifuge Sludge Systems
  - Pump Type
  - Pumpless Type

## Additional Options

- Air Make-up Units
- Booth Extensions
- Electrical Control Panels
- Flash Tunnels
- Ovens
  - Drying Enclosures
  - Convection (gas or electric)
  - Infrared (catalytic and electric)
- Turnkey and Custom Systems
- VOC Abatement Systems

With over 40 years of experience, we've learned that the perfect custom paint booth is more than just a piece of industrial equipment. It's an integral part of the manufacturer's mission to make the best possible products with max efficiency. That's why our engineers work closely with you to learn how you operate, what your vision is for the future, and with the right booth design, how we can help you get there.

**Enjoy Our Wide Selection And Flexible Design** We feature more than 300 booth design options for a wide variety of uses and specialize in custom designs for the most unique of applications. To ensure full integration, our spray booth design will take into account all of your specific finishing requirements, including filtration, lighting, temperature, humidity, and airflow.

**Discover Precise, Custom Tailored Engineering Solutions** All booths are custom designed using the latest version of AutoCAD to ensure precision and prevent against interference fit – early detection in the design stage prevents costly field modifications for you. We feature easy-to-read and easy-to-follow isometric assembly drawings. Each panel and component part is identified with a computer-generated label that precisely matches the CAD-produced, exploded-view assembly drawing – all making installation efficient and trouble-free.

**Receive Unparalleled Personal Attention** Spray Systems is committed to providing you dedicated service and support that place a high value on accountability and quality control. That means walking you through every phase of the design and installation process and tailoring our manufacturing to your specific requirements. We want to ensure the on-going success of your spray booth training, service, and operations. For us, the quality of service doesn't end with the installation.

Call For A Free Consultation or...

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Discuss Your Spray Booth Needs With Your Spray Systems Advisor

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