Kresco



PAINT BOOTH

Industrial Series

Discover Kresco's line of industrial paint booths systems, air makeup units (AMU), mixing rooms, and paint drying systems designed to achieve the highest quality standards in industrial environments.

General Specifications

The ideal dust-free environment for all your surface preparation, painting, coating and finishing applications

Kresco specializes in the engineering, manufacturing, installation, and servicing of custom-made paint booths, mixing rooms and finishing systems of any sizes and configurations. Our systems are used in a variety of industries where high-quality finishing is required.

Booth Features

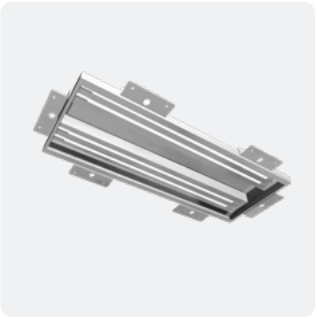
- **Heavy Duty Construction -** Fabricated with the highest quality 18 gauge, G90 galvanized steel panels.
- **Easy Assembly -** All designs create a bolt free booth interior and panels and support members are precision punched for easy nut and screw assembly.
- **Superior Doors -** Product Doors are field located on slotted hinges to facilitate adjustment on 2-axes for uneven floors. Our personnel doors are 30" wide X 84" tall with 14 ½" wide x 48" tall observation window built into a preassembled heavy frame.
- **Industry-Leading Lighting -** Lighted booths get bright, full booth illumination from Kresco CSA listed (Class 1 Division 2) LED light fixtures.
- **Paint arrestors -** High efficiency paint arrestors which have a custom designed layering system to increase the overall efficiency of the booth. Filters are lab tested with over a 99% particulate removal efficiency.
- **Efficient Fans & Motors -** Quality brand name tube axial fans and motors.
- **Air Solenoid Valve -** Interlocked to the exhaust fan and air supply for the spray application equipment.
- **Meets Quality Performance Standards -** Spray booths manufactured by Kresco meet and/or exceed all applicable OSHA and NFPA regulations.

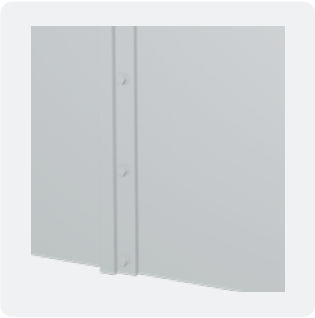
Common Features



Control Panel


Personnel Access Door


LED Lighting System

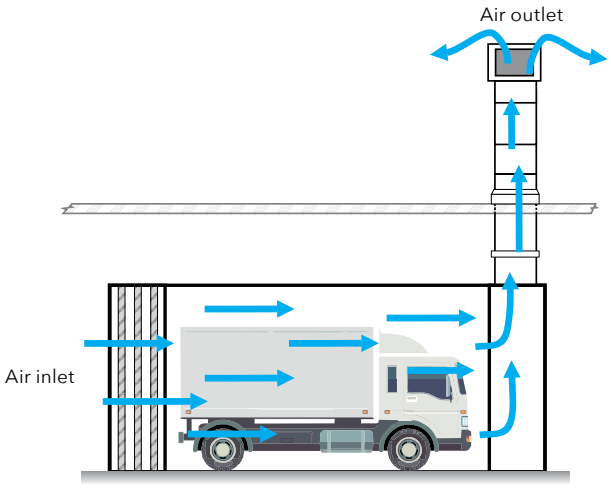

Easy Assembly Design

Crossdraft Spray Booths

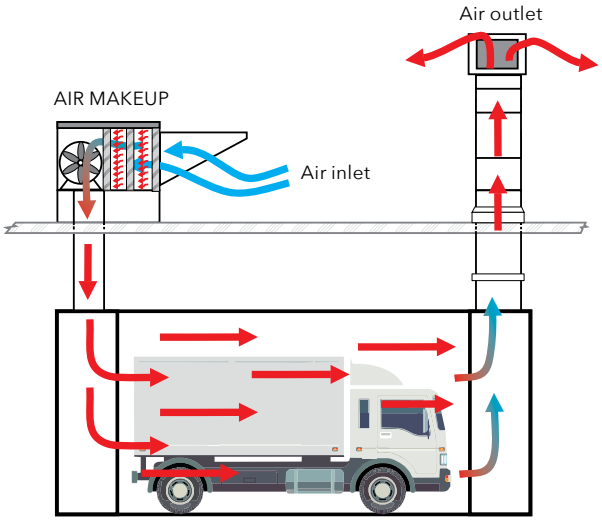
The simplest configuration and most economical solution

Crossdraft booths are efficient and economical and best suited for coating industrial/large equipment, truck and wood applications. **Kresco** crossdraft spray boots intake fresh air through filters in the product doors.

How It Works

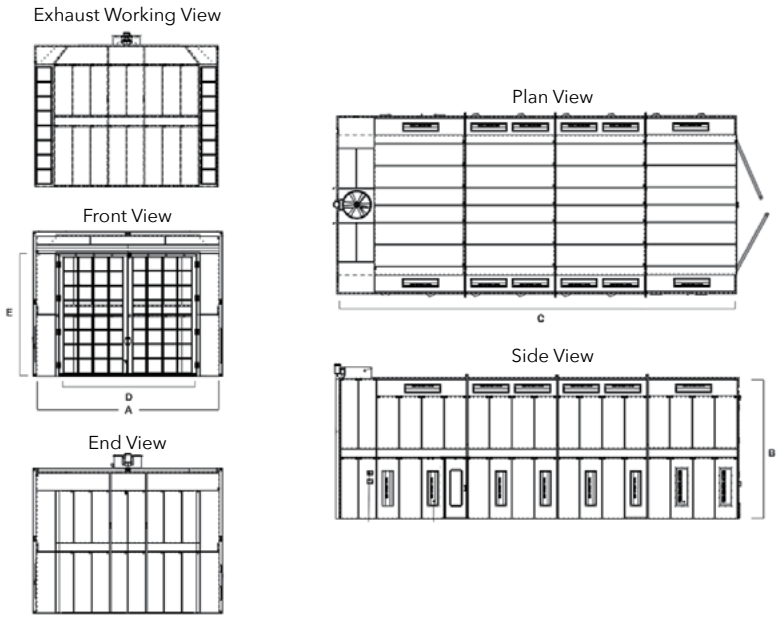


Without Air Makeup



With Air Makeup

Floor Plans





Standard Duty Crossdraft



Heavy Duty Crossdraft



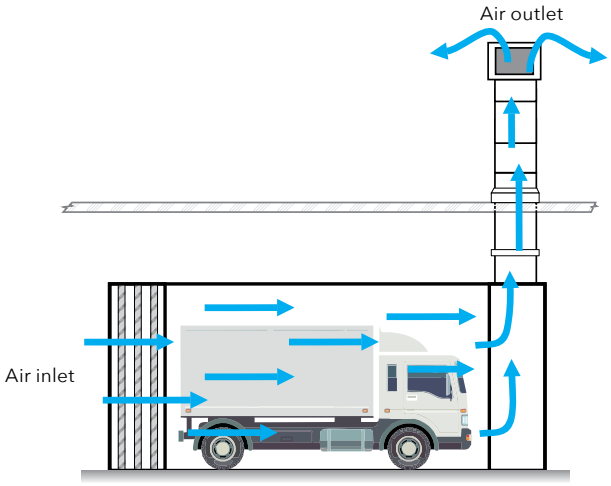
Crossdraft Interior

Modified Downdraft Spray Booths

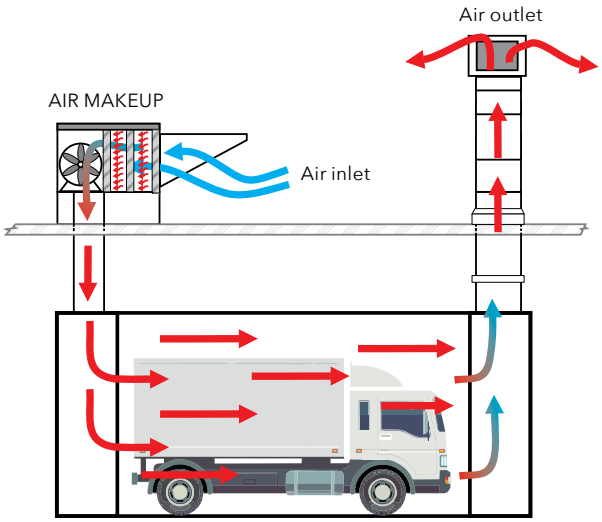
Offering a cleaner and healthier spray environment

Modified downdraft spray booths allow for easy pressurization with the addition of an intake plenum with fan or a heated air makeup unit. The modified downdraft intakes air from the cleaner upper levels of the shop through a filter bank located in the booth ceiling.

How It Works

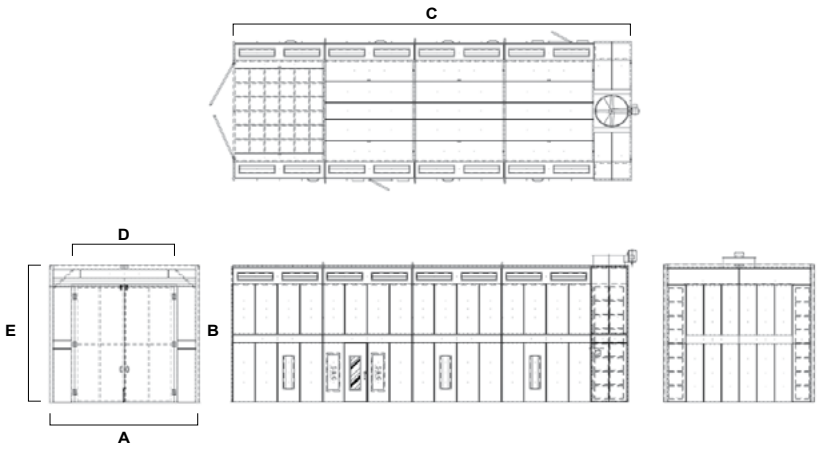


Without Air Makeup



With Air Makeup

Floor Plans





Modified Downdraft



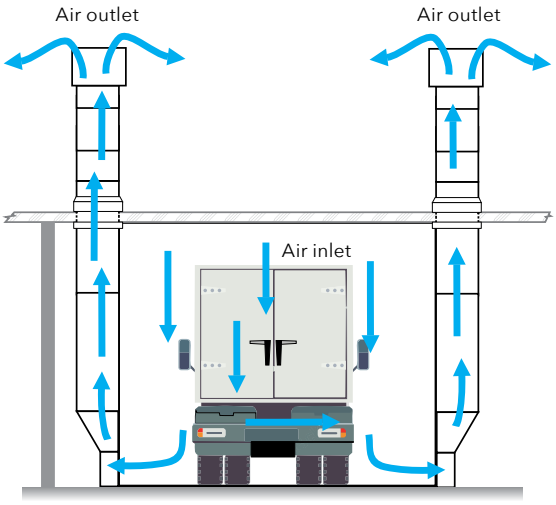
Modified Downdraft Interior

Side Downdraft Spray Booths

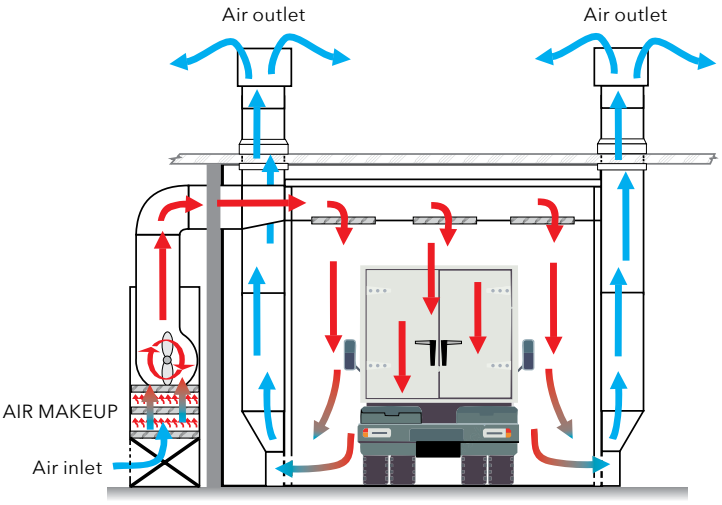
The ideal installation where excavation is not permitted

An economical alernative to downdraft booths for shops that are unable to excavate a pit is the side downdraft spray booths. This system intake fresh air from the cleaner upper levels of the shop through a filtered booth ceiling. This system provides efficient overspray control that reduces prep time while also delivering a healthier work place environment.

How It Works

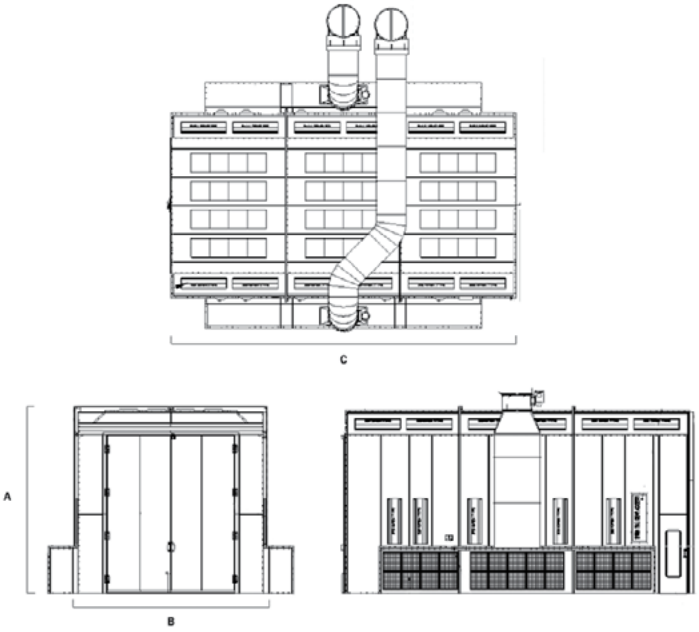


Without Air Makeup



With Air Makeup

Floor Plans





Side Crossdraft



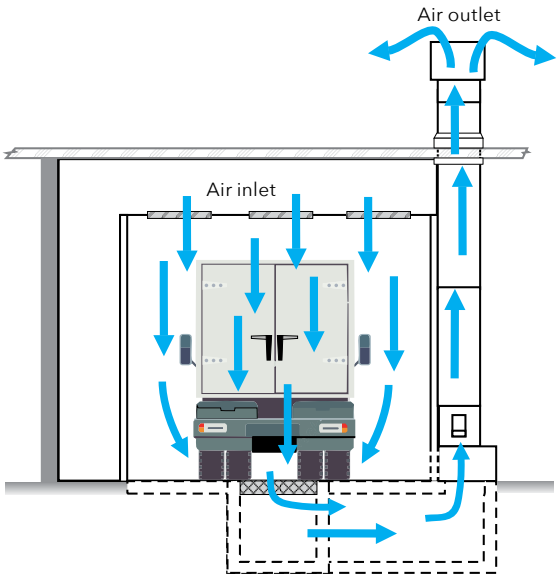
Side Downdraft Interior

Downdraft Spray Booths

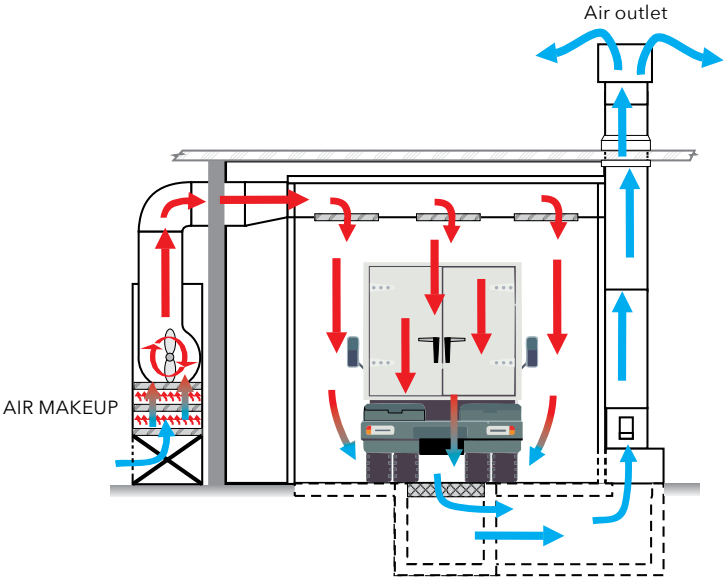
Providing the best airflow style for high quality finish

Downdraft booths offer the most efficient overspray control and pressurization. Downdraft booths take in fresh air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product into the filtered exhaust pit located in the floor. It provides the most natural airflow without turbulence.

How It Works

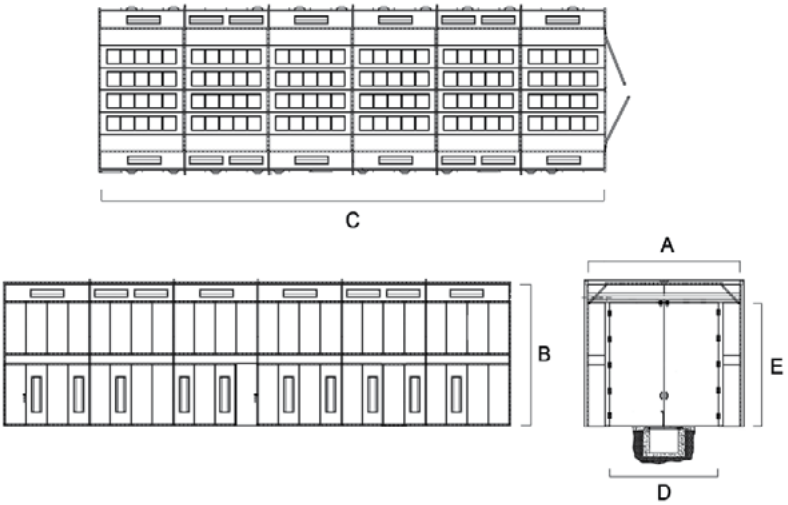


Without Air Makeup



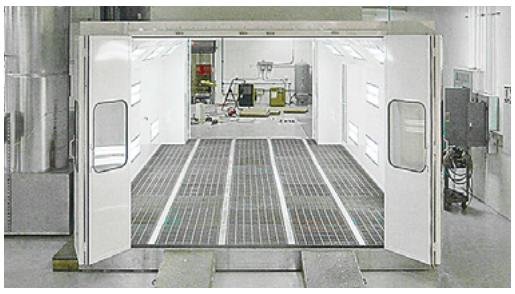
With Air Makeup

Floor Plans





Concrete Pit Installation



Raised Floor Installation

Air Make-Up Units

Air make-up units (AMU) are used to replenish fresh air into the paint booth to stabilize its pressure as air is being exhausted. Direct-fire heaters and other energy-efficient technologies can be added to AMU to supply temperature-controlled air to the spray booth in order to provide painters with a comfortable work environment as well as to accelerate the paint drying/curing time.

1. Direct fired and indirect fired heating systems
2. 100% fresh air control systems
3. Bake Mode recirculation
4. Prep Mode
5. Spray Mode recirculation
6. Pulse control system



Single Stage (Constant and Variable Volume) Units

Single Stage AMU provide a constant rate of warm fresh outside-air into the spray booth and use direct-fire heaters to heat air at the source at a specific temperature set point. Our systems are 99% efficient due to the fact that all heat generated from the heaters is directly introduced into the supply-air stream of the spray booth, with very low heat loss.

Dual Stage – Hi/Low – Dual Temperature Make-Up Air Units

With the same 99% efficiency as our Single Stage AMU, Dual Stage AMU allow the customer to switch between high and low speed, each with a unique temperature set point. This configuration is ideal for applications that have dual speed or heat requirements and provide an economical alternative to Recirculating Heaters.

Recirculating Units

As opposed to Single Stage and Dual Stage AMU that draw exclusively outside-air to supply the paint booth, Recirculating Units allow for a majority of pre-heated filtered air (approx. 80%) to be drawn back into the paint booth supply-air stream while only using a small portion (approx. 20%) of fresh outside-air. This configuration is the most cost-effective and energy-efficient solution of the three by significantly reducing the cost of energy production since that the air comes across the burner pre-heated. Optional sensors can be installed to monitor heat, pressure, and other variables to provide a truly energy-efficient industrial heating unit.

Optional Control Upgrades

- → Digital differential pressure sensor with clogged filter warning lights in panel
- → Low and High-Gas Pressure Switches
- → Outside-air ambient temperature sensor with automatic burner control
- → Supply-air ducting kits
- → Burner/spray-booth interlock kit
- → Motor Soft Starters
- → Variable Frequency Drives (VFD)

Drying Room

Drying rooms provide the ideal controlled environment for your finishing, curing, and drying requirements. Diverting freshly coated parts into a separate drying room not only allows for continuous spraying operations inside the paint booth but it also provides a clean, filtered atmosphere for optimal drying and curing process along with reducing overall operating costs and increasing productivity.



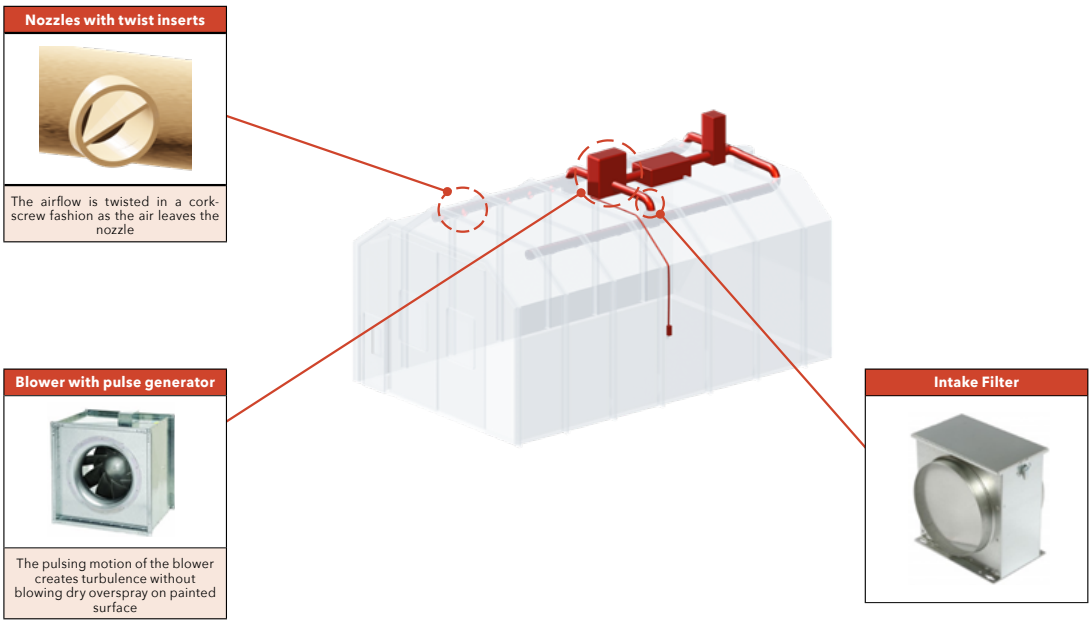
Drying Rooms can be drawn to the customer's specifications and be equipped with infrared, convection curing, and/or paint drying systems according to applications and coating requirements.

Waterborne Paint Drying System

Kresco's exclusice waterborne paint drying system produces the ideal turbulence inside the booth that will accelerate drying time and keep freshly coated parts away from dust and airborne contaminants. It can easily be fitted into a paint booth of any sizes or a standalone drying room.

This waterborne paint drying system takes air from the spray booth cabin through an intake filter controlled by a blower. The air is then delivered evenly onto the painted surface from a set of nozzles horizontally mounted at the gable of the spray booth.

Our exclusive design uses two patented technologies to create the perfect turbulence:



Mixing Room

Mixing room provides a safe and code compliant environment for paint preparation and storage next to the spray booth. Available in various sizes and pre punched for easy nut-and-bolt installation, our mixing room meet NFPA 33 requirements.

Standard Features

- 18-gauge galvanized steel finish or optional powder coated white
- 12" Exhaust fan with 1/3 hp motor
- Personal door with observation window
- Door interchanges with any panel for custom configuration
- Class I division II light fixtures
- LED lighting system
- Various sizes available
- Meet NFPA 33 requirements (electrical, fire suppression, curb not included)
- Built in compliance with OSHA 1910 code (electrical, plumbing



Outside view



Inside view

Auxiliary Equipment



Solvent Recyclers



Spray Gun Washers



Paint Pail Washers



Can & Aero Crushers

Available Options

To boost your productivity and the safety of your painters

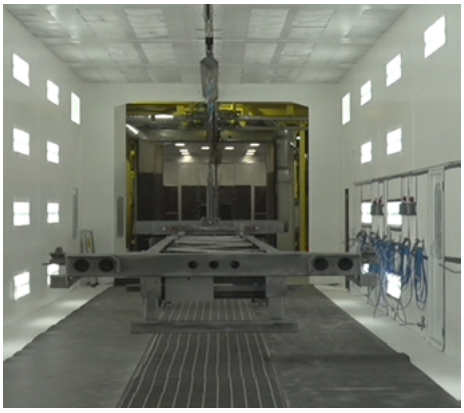
3-Axis Elevator System

BL lifts can replace ladders for working in elevation and provide increased safety and productivity.



Overhead Conveyor

Facilitates handling of large and heavy part with a monorail pass through conveyor.



Booth Options



Durable powder coated white option available



Optional UL/CSA listed control panel with or without VFD



Roll-Up Doors



Bifold or Trifold Doors

Safety Equipment



Gas Monitor



Respiratory Mask

Kresco provides a complete range of respiratory protection to the painter, providing pure breathable air to the operator's hood, eliminating air contaminants such as oil vapors, hydrogen gases, rust and other potentially hazardous contaminants to provide pure compressed air of respirable quality.

This system is equipped with a carbon monoxide detector which continuously monitors and samples the air supplied in accordance with OSHA

About Kresco

Kresco designs, manufactures, and supports industrial equipment for the surface treatment industries. **Kresco** has standard equipment designed for most applications and can customize equipment to meet or exceed your production expectations.

Sandblasting

- Sandblast Booths
- Sandblast Cabinets
- Automated Sandblasting Systems
- Abrasive Reclaiming Systems
- Pressurized Sandblasters
- Dust Collectors

Shotblasting

- Roller Conveyor Blaster
- Rotary Table Blaster/Swing Table Blaster
- Spinner Hanger (Batch)
- Continuous Flow with Monorail
- Rubber and Steel Flight Tumbler Blasters
- Flow Thru Barrel Blasters
- Mesh Belt Continuous Blasters
- Monorail System Blasters
- Rim Blasters
- Preservation Line

Painting

- Paint Spray Booths
- Powder Coating Booths
- Drying Ovens
- Air Make-Up Units

Solvent Recovery

- Batch Solvent Distillers
- Continuous Flow Solvent Distillers
- Oil Cooling Systems

Parts & Consumables

- Blast Nozzles
- Blast Hoses
- Abrasive Media
- Air Valves
- Abrasive Metering Valves
- Cartridge Filters
- Sludge Bags
- Safety Equipment & PPE

Services

- Turnkey Project Design
- Custom Design
- Full Installation
- Start-up Supervision
- Training
- Maintenance
- Retrofit & Upgrade

All systems are designed to build and they are manufactured with the highest quality standards in our manufacturing shop in Quebec, Canada.



Kresco

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