



Think Dustless
.com

SS



SS™ High Performance Space Saver

The Accudraft™ SS is a space saving high performance paint booth that allows the user to spray, flash, cure, and cool down in order to increase production. A small footprint and overhead air makeup unit save valuable shop space. Direct fire heating with heat recycle saves thousands in operating costs.



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SS

Single Skin Construction

Bolt-Together Panel System

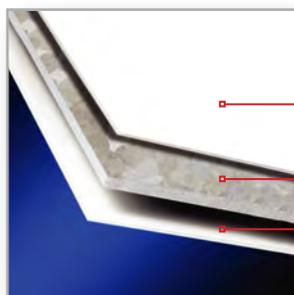


Accudraft SS Spray Booth Installation Photo



The bolt-together construction on the Accudraft SS can be installed quickly and easily with basic tools. Galvanized steel and industrial PVC coatings provide the highest grade of durability available. Pre-punched holes ensure easy alignment per panel for seamless assembly.

Wall Panel



Ultra-White, Non-Reflective Vinyl Exterior

Galvanized Steel

Ultra-White, Non-Reflective Vinyl Interior

Industrial Vinyl Coating

Interior & Exterior

- Galvanized Steel •
- Chemically Bonded PVC Coating (Interior & Exterior) •
- Manufactured & Shipped with Protective Polyethylene Coating •
- 24" Bolt-Together Panels •

Optional Dual Skin ►

Floor to ceiling insulation and wall panels are installed on the outside wall sections, significantly improving heat retention inside the booth and minimizing radiant warming of nearby spaces, or affecting the technician working adjacent to the booth.



Workspace Lighting ►

- Shadowless Lighting Design
- 48" Vertical Wall Lights
- Optional Ceiling Lights (6)*
- (10) Wall Mounted Light Fixtures*

* At standard sizes



Accudraft SS spray booth with optional ceiling lighting.

Work with shadow free
daylight corrected light ▲▼



Lab certified explosion proof light fixtures protect against potentially explosive materials. Inside accessibility allows easy tube changes from inside the workspace. If a light door is open, the light fixture will automatically shut off the user's spray gun to prevent any potentially hazardous fumes from being introduced while the fixture is being serviced. Inside accessibility also allows for more installation flexibility. The system can be installed in a shop corner or up against existing structures since space is no longer needed to access the outside of the light fixture.

◀ MAGNA II

Explosion Proof Light Fixtures

- Vinyl Coated
- Hinged Inside-Access Glass Lenses
- T-8 Energy Efficient Bulbs Included
- Daylight Corrected for Superior Color Matching
- Lab Certified Explosion Proof (Class I: Div. II)
- ETL Listed

Ceiling Filtration ►

- 5-Micron Downdraft Diffusion Ceiling
- 24" Blanket Style Filters
- Tools-free Change Out System

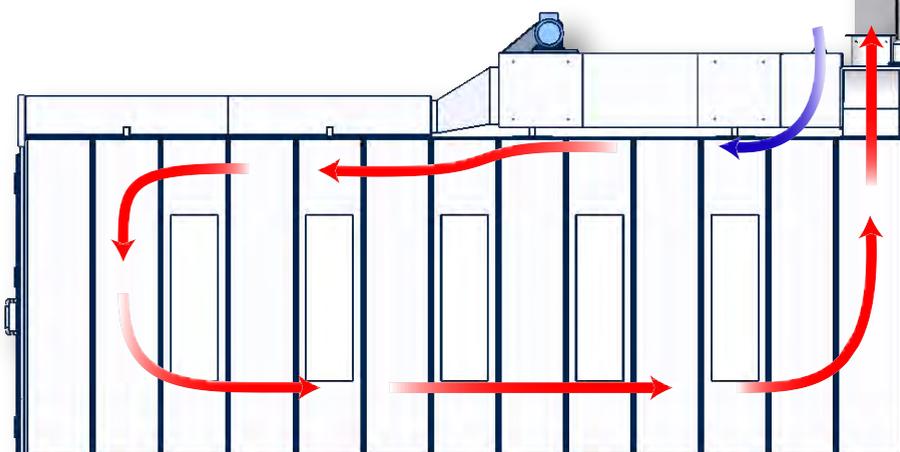


▲ Easy Filter Changes Tools-Free Ceiling Access

Simple knob system allows for fast and tool-free ceiling filter changes. Changing ceiling filters can be completed in less than 30 minutes.

Airflow Pattern ▲

The Accudraft SS™ provides a complete semidowndraft envelope around the vehicle. Ceiling air reaches all areas of the workspace and flows toward the columns behind the vehicle.



◀ High Airflow

- Fast & Effective Overspray Removal
- Meets & exceeds OSHA regulations



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Vertical Light Fixtures

- Up to (16) Fixtures
- 48" Long
- 4 tubes each
- Inside access

ETL lab-certified explosion proof.



Smooth Glide Hinges

Industrial nylon axis. (6) Nylon isolation bushings per hinge. Includes personnel door.

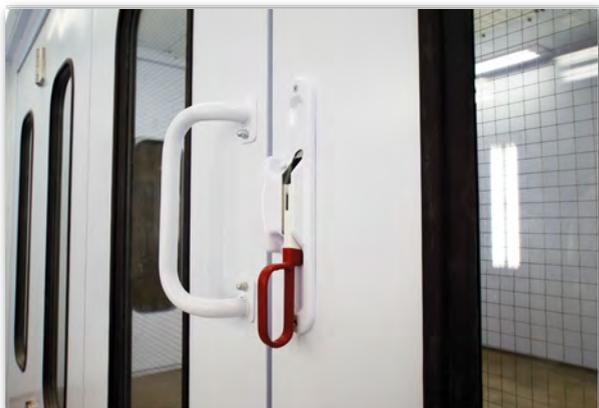


SmartPad™

Digital Control Panel. Seamlessly Integrates with Xcelerator Waterborne Add-On System

Wire-Mesh Reinforced Windows

Standard on all door assemblies



Recessed Door Hardware

Locking mechanisms are built into each door, ensuring a proper closure. Recessed handles and integrated door hardware provide a neat and clean appearance free of bolts & bars. Wire mesh reinforced glass provides added strength & durability on all observation windows including personnel access door, drive through doors, & optional 6-door side-entrance doors.



Easy Ceiling Filters Changes

Simple knob system makes filter changes a quick and simple process.



Superior Ceiling Filtration

5 Micron air quality. Tools-free change out system allows for fast filter changes.

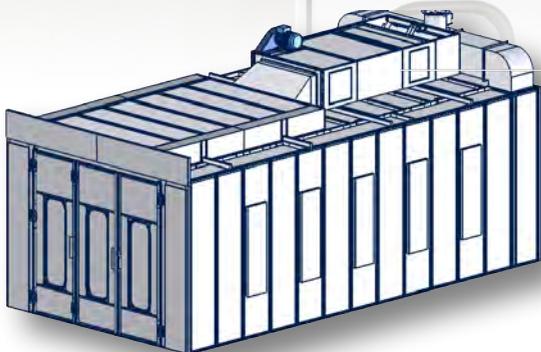


Single Skin Construction

Galvanized steel with PVC exterior & interior.

7.5HP & 5HP VFD Package

Provides up to 50% in electrical energy savings.



Above Ground Installation

- No concrete work
- Increased floor space
- Overhead AHU reduces overall footprint size



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SS



(2x) 5 - 6,000 CFM ► Tandem Dual Inlet Blowers

- 7.5 HP Intake & 5 HP Exhaust
- (2) 5-6000 CFM Forward Curve Centrifugal Blowers
- 10,000+ CFM Overall Air Performance
- Fits Under 13' Ceiling (approximate)*



Choose your airflow package ▲▼

The Accudraft SS™ is available in two sizes. The standard model (above) delivers 10,000 CFM+ of airflow through the space using tandem double inlet centrifugal blowers to fit the lowest of ceilings. Fits under a 13' ceiling height (approx. 13' to the top of the intake motor)*. The larger model (below) uses one 500mm dual inlet, centrifugal blower to deliver 14,000 CFM of airflow with 1.2 Million BTU's of heating power. Fits under 15' ceiling (approx. 15' to the top of the intake motor)*.

*Approximate heights based on SS starting size [26'x13'x9'] (LWH). Height details expressed are approximate and are not to be used for construction.



14,000 CFM ► 500mm Centrifugal Blower

- 10 HP Intake & 5 HP Exhaust
- Single 500mm Forward Curve Centrifugal Blower
- Up to 14,000 CFM Air Performance
- Fits Under 15' Ceiling (approximate)*

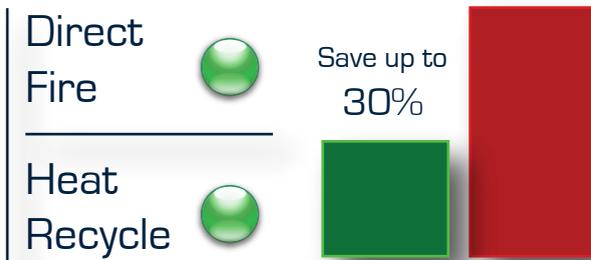


◀ Clean & Energy Efficient

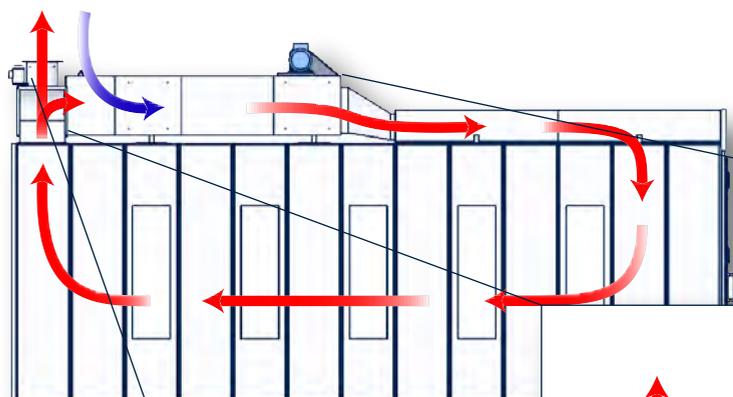
Pre-filtration, & Re-filtration



- Pre-filtration (Accepts Flat Insert Media) ·
- 80% Heat Recycle ·
- Includes Recycling Stage Re-filtration ·



All cost values & references are estimated and are not guaranteed. Actual operating costs may vary.



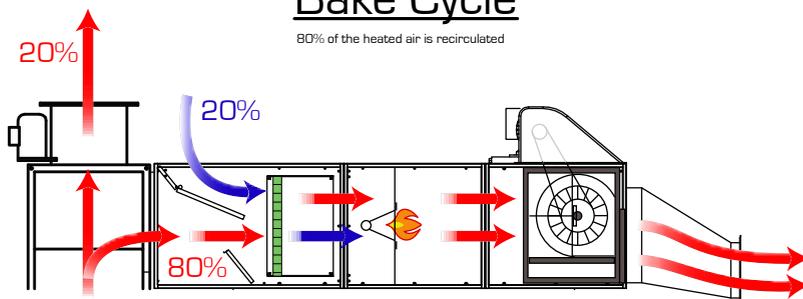
When compared to basic heated spray booths, the SS can use up to 30% less energy. Integrated heat recycling connects intake and exhaust in one compact unit and provides the highest form of heat efficiency possible. Direct fired heat gives the SS up to 99% fuel efficiency.



Greasable fittings standard.

Bake Cycle

80% of the heated air is recirculated



◀ 30" Tube-Axial Fan

Exhaust System

- Provides Powerful Exhaust Airflow ·
- Joins to Intake System for 80% Heat Recycle ·
- Non-Sparking Construction ·

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Work Phase ►

Prep, Spray, Flash

The SS provides a clean and comfortable work environment during the work phase. The user can prepare the job, mask, apply coatings and flash off during this phase. The mechanical group performs at full power, providing a strong draft and positive pressure. This ensures a clean workspace by pushing dust and dirt away from doorways & seals. High speed airflow provides fast overspray removal and produces short flash times between coatings.



◀ Cure Phase

High Temperature Drying

During the cure or "bake" phase, air is heated to the coating's recommended curing temperature. Air is recycled past the burner for heating speed and maximum efficiency. The curing phase is divided into two distinct processes. The first is a pre-heating process that introduces extremely hot air to get the metal or substrate to the proper temperature. Once that temperature is reached, a lower secondary temperature is maintained throughout the remainder of the cure phase.

Cool Down ►

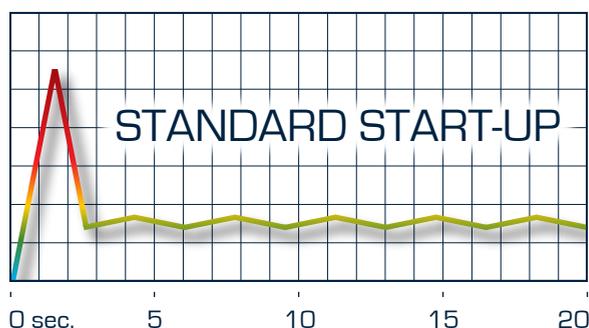
Cools & Hardens

Technically the final stage of curing, the cool phase brings the coating and substrate temperature down to further solidify and harden the coating. Cooling is essential to good finishing and the workspace must be cooled in order for the user to work comfortably on the next job. With about 4 exchanges of air every minute, the SS cools very quickly and keeps job production moving fast.



SmartPad™ Controls ▶

- Digital Control Panel
- Digital PLC Interface
- Allows for EnergySmart™ System with STANDBY
- Integrates Seamlessly with Xcelerator™ Waterborne Drying System

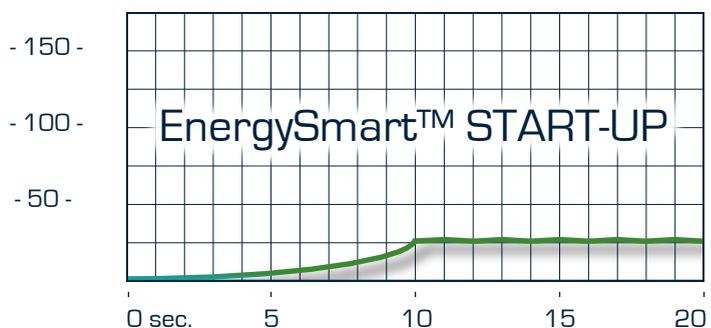


Standard Start-Up ▲

Traditional motor start-up causes a spike in power draw. Most utility companies charge a service factor and rate the facility according to the highest possible power draw.

For example: Motors that are rated for 25-30 Amps of running power may spike to over 100 Amps momentarily as the turbines wind up from a standstill. After a few seconds, the power draw levels out, but the damage has been done. The shop will now be charged according to the higher "spike" rate, not the lower running rate.

Amps



EnergySmart™ Start-Up ▲

With Accudraft's EnergySmart™ feature, motors are gradually started in order to get the fans spinning. Each VFD drive continues to increase motor speed until the proper amperage is reached. This eliminates the spike in power and can save 30% or more on electrical usage.

The SmartPad™ digital control panel gives the EnergySmart™ system two additional functions. First, the VFD drives automatically maintain pressure inside the spray area by adjusting fan speeds accordingly. Second, the drives drop all motors to idle when the spray gun is not in use. This allows the system to run at full power only when the user is spraying and can save thousands in energy usage over the course of a year.



◀ EnergySmart™ System

Variable Frequency Drives



- Save 30% or More on Electric Usage
- Automatic Pressure Control
- STANDBY Feature - Drops system to idle state when not in use
- May qualify for government energy rebates*

* All regions may not qualify. Rebate percentages may vary. Not guaranteed.

Superior Build Quality ▶

Welded Structural Steel

- Welded steel door frames
- No flimsy sheet metal parts
- No field work or fabrication required by installers

Welded Upper Threshold Supports ▼



Welded Personnel Access Door Frame ▼



Welded Main Tri-fold Entrance Door Frame & Hinge Plate ▶



▼ A Bit of History

The Crossroads of Technology and Old-World Craftsmanship

Accudraft's signature structure has been a symbol of its unparalleled quality for over 35 years. Build quality is the cornerstone around which all Accudraft products are engineered, and its place stems from the origins of the company itself.

Accudraft products originated near the town of Arezzo, a region in Italy known for its artisan or "artigiano" roots in metalworking. During industrialization, local craftsmen brought their passion for superior quality to the foundries and industrial factories. Whether the finished product was an industrial machine or a piece of jewelry, the end result was a high level of quality that people could see and feel. This became the cultural signature of the region and back in 1977, it ended up shaping every step of production on the first ever Accudraft spray booth.

After more than 35 years, each main door assembly is still individually test mounted in the factory before it is dismantled, crated, and shipped.

Superior Build Quality

Heavy Duty Hardware



[6x] Super Duty Nylon Sheaves ▲

Accudraft's welded steel door structure, internal lock mechanics, and wire-mesh reinforced glass windows create a very rugged door system. Nylon axis hinges allow them to be swung with the touch of a finger. For the user, operation is light as a feather and doors can be fully opened in a matter of seconds. All rotation points are engineered using nylon bushings, giving the doors an unmatched lifespan. Doors will open thousands of times over decades of use before any bushings need replacement.

◀ Nylon Axis Hinges

Heavy Duty Capacity. Easy Operation

- Nylon on Nylon Isolation Bushings ·
- Smooth Swinging Motion ·
- Maximum Durability ·
- Hardened Fasteners ·
- Threaded Plate Steel Supports ·



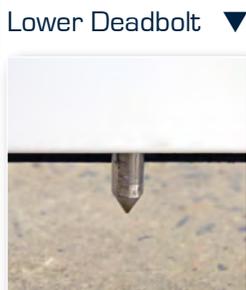
◀ Integrated Door Seals

Built-In Door Locking Mechanism

- Integrated Dead Bolts ·
- Factory Tight Doors ·
- Flush Mount Red Handles ·
- Neat & Clean Finish ·



Upper Deadbolt ▲



Lower Deadbolt ▼

Internally constructed door lock mechanisms provide proper closure. Lesser systems provide rods mounted on the outside of the door panel with simple straps or bars. Accudraft's integrated red handles ensure that the user cannot tamper with the door's integrity and it also ensures protection from overspray and damages caused by vehicles or tools bumping into the locking mechanism. Deadbolts have pre-punched slots in the upper and lower threshold to ensure the doors are closing properly.

Superior Build Quality

Heavy Duty Hardware



◀ Easy Grip Handles

Oversized Heavy Duty Steel Handles

- Formed Tubular Steel ·
- 1/8" Welded Anchor Plates ·
- Extra Large Size for Easy Grabbing ·
- Ultra-White Powder Coated Finish ·



◀ 1/2" Wire Mesh

1/4" Thick Glass ▼



◀ Georgian Safety Glass

1/4" Reinforced Glass Windows

- Full Height Windows in Every Door ·
- Superior Glass Strength ·
- Quarter Inch Thick Glass ·
- Embedded Wire Reinforcement ·
- Included on Man Access Door ·
- Included On Any Optional Wall Windows ·

Nylon Roller Catches ▼

Accudraft spring latches are designed to release in the presence of sudden over-pressurization of the workspace or in the event of an explosion. Elongated fastener slots and adjustable spring tightness allow for proper alignment between male and female pieces. Nylon lined rollers prevent wear over thousands of trips in and out of the work area and provide a smooth, quiet operation. No loud clangs or bulky refrigerator-style latches to slam open and shut. A simple click and a thump lets the user know the door is properly shut.



$$F = -kx$$



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Optional Xcelerators ▼

The Xcelerator was developed in order to help high production collision centers meet and surpass their financial goals. Oftentimes, productivity is held back by paint drying time. Even the best managed collision center will eventually reach a production limit due to the finishing & drying process. The Accudraft Xcelerator can nearly double finishing speeds overnight, turning any new or existing spray booth into a high performance machine.



Motors and Fan ▲

The Xcelerator does not use the shop's air compressor. Instead, independent motors and turbines provide filtered air to the nozzles. Depending on the Xcelerator package you choose, the user can run the modules independently, as a whole, or in pairs instead of running the entire system on every job.



Horizontal Mount ▶

The Xcelerator horizontal module mounts to the side wall of the spray booth. For extra long workspaces, horizontal modules provide additional airflow at the center of the vehicle or truck.



Heat Distribution ◀

The Xcelerator evenly distributes heated air all around the vehicle. This creates a much faster temperature rise and allows the areas close to the floor to rise in temperature just as the areas that are higher up.



Energy Savings ◀

By drying in one step and increasing your booths heat efficiency, paint jobs can be completed in almost half the time, saving you up to 50% in total energy used.

*All time values shown are estimated and are not guaranteed. Actual flash & bake times may vary.

XCELERATOR	OFF	ON
Average Flash Time*	15 min	5 min
Average Bake Time*	45 min	25 min



Worldwide Automotive Finishing Products



35



YEARS

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