accudraft

FINISHING SYSTEMS

ITALIA

ITALIA Downdraft Paint Booth

FINISHING SOLUTIONS FOR EVERY SHOP

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ITALIA



Unmatched Build Quality. Unstoppable Performance...

The Accudraft Italia is Accudraft's flagship downdraft unit designed for high production. With a 30 year reputation for speed and superior durability, the Italia continues to represent the European gold standard for automotive refinishing. High airflow and fast curing speeds make it the ideal system for collision centers looking for job production. High efficiency features and outstanding air filtration provide clean jobs and low operating costs. Rugged structural construction & controls will provide decades of non-stop daily operation and maximize return on investment.

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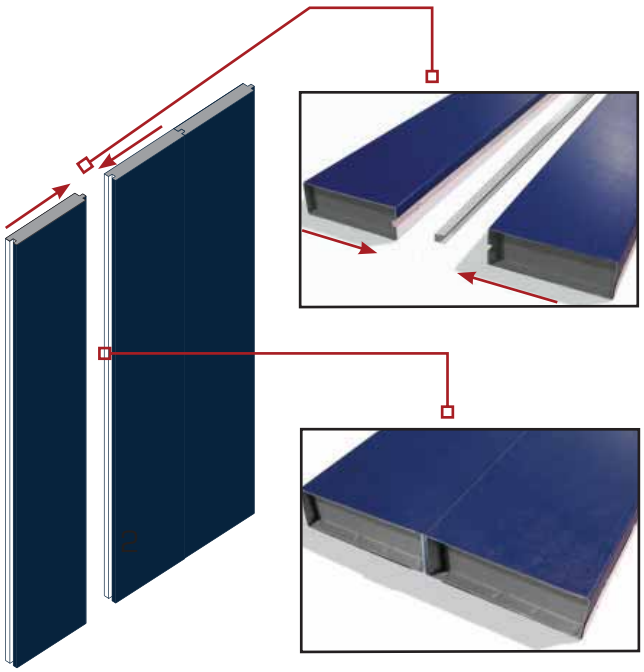
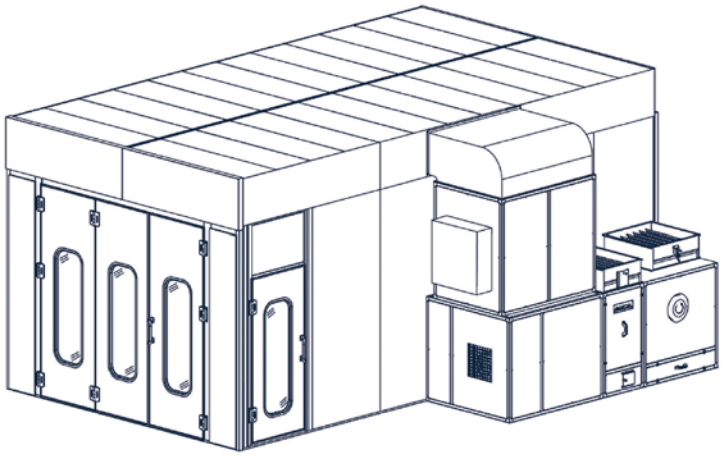
SAIMA
Since 1977

Insulated Simple Joint Construction

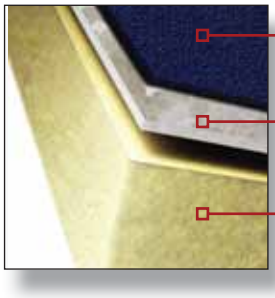
Interlocking Panel System

The Simple Joint construction creates a workspace that is well sealed and strong enough to hold up to the requirements of high production shops. Galvanized steel and industrial PVC coatings provide the highest grade of durability and outdoor weather resistance available. The Simple Joint design also produces a neat and clean finish that is free of bolts or screws on both the inside and outside of the cabin.



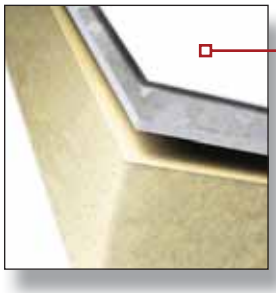


Exterior



- Textured Vinyl Exterior
- Galvanized Steel
- Non-flammable Insulation

Interior



- 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
- 48 Inch Interlocking Male & Female Panels
- Insulated Dual Skin Construction
- Non-flammable Insulation

Available Exterior Colors:



Accudraft Blu™ | Ultra White™ | Furia™ | Grigio™

Workspace Lighting ▶

Daylight Corrected Illumination

- Color Correct LED lighting
- Shadowless Lighting Design
- 45° Inclined Upper Light Banks
- 48" Vertical Wall Lights (recessed)
- (19) Four-tube Light Fixtures Total*

*Standard Length 24'l x 13'w x 9'h





Accudraft ITALIA spray booth with vertical wall lighting.

▲ Work with shadow free
▼ daylight corrected light





◀MAGNA II

Light Fixtures

- Vinyl Coated
- Hinged Inside-Access Glass Lenses
- LED Energy Efficient Bulbs Included
- Daylight Corrected for Superior Color Matching
- Lab Certified for Hazardous Locations
- Class 1: Div. 2
- ETL Listed

Lab certified hazardous location 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.

Ceiling Filtration ▶

- 5-Micron Downdraft Diffusion Ceiling
- Full Width Ceiling Filtration
- EZ-Clip Filter Change System







▲ EZ-Clips

Tools Free Ceiling Access

EZ-Clips allow for fast and tools-free ceiling filter changes. Changing ceiling filters can be completed in less than 30 minutes and can be performed by one person.

▲ Airflow Pattern

Full width ceiling filtration provides a proper downdraft envelope around the vehicle. Ceiling air reaches all areas of the workspace and flows toward the exhaust point underneath the vehicle. Walls and lights are kept clean by the wide down flow pattern and the extended pit design.



EvenFlo™ downdraft balancing vanes allow the Titan to draft evenly across the entire exhaust pit or basement. No more uneven drafts or dead spots. Each vane is attached by flexible microtags that allow the user to adjust and read just multiple times if changes are needed.

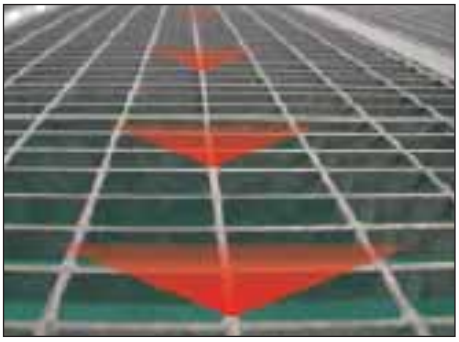


▲ Adjustable Vanes

Re-adjustable Microtag Winglets

◀ Even Flo™

Downdraft Balancing System



ITALIA

Vertical Light Fixtures

- (19) Fixtures
- 48" Long
- 4 Tubes Each
- Inside access
- ETL Lab-Certified
- Class 1: Div. 2





Smooth Glide Hinges

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





SmartPad™

Digital Control Panel with Dual Mode Technology.
Mode 1 - Urethanes, Mode 2 - Waterborne



Tempered Glass Windows

Standard on all Accudraft Titan 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. Tempered glass provides added strength & durability on all observation windows including personnel access door, drive through doors, & optional 6-door side-entrance doors.

EZ-Clip Ceiling Filters

No more time consuming filter changes. EZ clips & hinged filter frames make filter changes a quick and simple process.



Superior Ceiling Filtration

5 Micron air quality. Perpendicular compression edges are built into each filter frame for a continuous seal around each filter.





Insulated Dual Skin Construction

Galvanized steel with bonded PVC exterior and interior.

- Accudraft Blu™
- Ultra White™
- Furia™
- Grigio™



EvenFlo™ Downdraft Balancing System

EvenFlo™ adjustable floor vanes allow the user to pinpoint areas of more or less air flow and adjust the strength of the draft until it's just right.

(2) 10 HP VFD Package

Provides up to 50% in electrical energy savings.



KD™ Integrated Air Makeup System

Integrated Mechanical Group

- (2x) 10 HP
- 14,000 CFM
- 1.2 Million Btu/hr
- 85% Heat Recycling

The KD™ Series air makeup unit is a completely integrated intake, heat, and exhaust system designed for high production downdraft paint booths. Forward curve and backward inclined turbines provide powerful airflow through the paint booth and recycled direct fire heating provides fast heating with maximum energy efficiency. Painters can put more jobs through the paint booth per hour and generate more profits for your business.





Weg NEMA Premium Efficiency Motors

- (2x) 10 HP TEFC Motors
- Fan Cooled Cast Iron Body
- Re-greaseable Ball Bearings
- 3 Phase 240V or 480V
- Rated for Continuous Operation
- Designed for Dusty Environments



(2x) 14,000 CFM Belt Driven Centrifugal Fans

- (2x)10 HP Intake & 10 HP Exhaust
- Non-Loading Inclined Blade Turbines
- Explosion Proof Non-Sparking Construction
- Up to 14,000 CFM Air Performance

Bearings

Superior Strength & Durability

- Encapsulated Ball Bearing Design
- Designed for High Temperature
- Easily Accessible Grease Fittings



Burner

Computerized Burner Controls

- Direct Fire - 99% Heating Efficiency
- 1.2 Million Btu/hr (1.2 Million+ available)
- Stainless Steel Burner Construction
- Natural Gas or Propane Fuel



Natural Gas
Comfortable. Responsible.



Clean & Energy Efficient

Pre-filtration, Re-filtration, Post-filtration

- Pre-filtration (Accepts Flat Insert or Bag Filtration Media)
- Post-filtration (Accepts Flat Insert or Bag Filtration Media)
- 80-90% Heat Recycle
- Includes Recycling Stage Re-filtration



*Cost values & reference are estimated and are not guaranteed. Actual operating costs may vary.

When compared to basic heated spray booths, the Italia 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 KD mechanical group up to 99% fuel efficiency. This means that almost 100% of the gas being used is actually turning into heat. No more inefficient fume chimneys or heat exchangers and no more high/low temperature swings. The direct fire burner maintains an open flame and increases or decreases the flame's intensity depending on the temperature setting. Maintainable temperature accuracy can approach ±1°F.

Extra large motors and turbines allow the KD mechanical group to move a large volume of air. Two 10 Horsepower Weg® motors generate powerful airflow at a rate of up to 14,000 CFM. This means that the entire cubic volume of the Titan's workspace is exchanged almost 5 times every minute.* Once a vehicle or large body is introduced to the workspace, the volumetric air exchanges become even faster.

Three stages of filtration (pre-filtration, post filtration, & recycle filtration) provide an ultra clean spray environment and protect the life of fans & mechanical components from overspray and dust.

*Volumetric exchanges based on an Italia starting size (24'l x 13'w x 9'h)

Work Phase ▶

Prep, Spray, Flash

The Italia 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 downdraft 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.

Cool Down ▶

Cools & Hardens

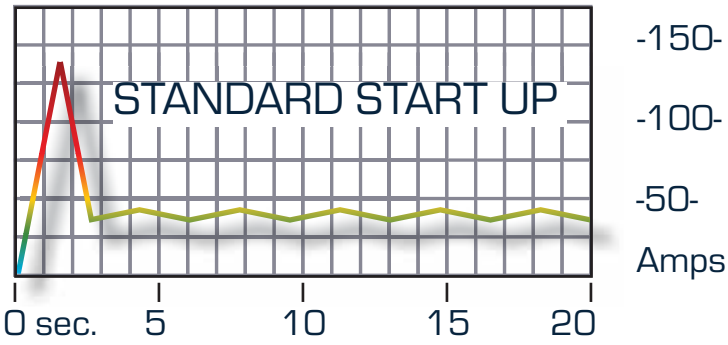
Technically the final stage of curing, the cool phase brings the coating and substrate temperature down to further solidify and harden the coating. Cooling is essential to good finishing and the workspace must be cooled in order for the user to work comfortably on the next job. With about 6 exchanges of air every minute, the Titan cools very quickly and keeps jobs moving fast.

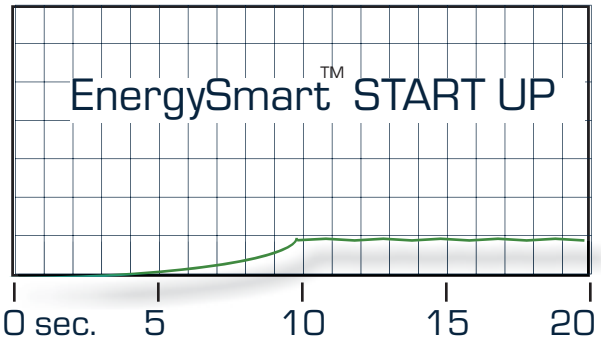


SmartPad Controls ▶

- Digital Control Panel
- Digital PCB Controller
- Dual Modes for Standard and Waterborne Paint
- Allows for EnergySmart ™ System with STANDBY







▲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 "spike" rate, not the lower running rate.

▲EnergySmart START UP

WIth Accudraft's EnergySmart™ Feature, motors are gradually started in order to get the turbines spinning. Each VFD drive continues to increase each motor's 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 turbine speeds accordingly. Second, the drives drop all motors to idle when the spray gun in 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 VFD ▶

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

* All regions may not qualify. Rebate percentages may vary



By Schneider Electric

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 ▲





▼Superior Build Quality

Heavy Duty Hardware





(6x) Super Duty Nylon Sheaves ▲

Accudraft's welded steel door structure, internal lock mechanics, and tempered glass windows create a very rugged door system, and 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 tens of 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





▲ Upper Deadbolt



▲ Lower Deadbolt



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

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.

Nylon Roller Catches

Heavy Duty Hardware



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.

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

Paint Booth Upgrades

AccudraftLIVE™ ▶

Connected Paint Booth Software

In a world of connectivity and having information at your fingertips, the time has come for finishing shops to know their exact numbers. Accudraft LIVE™ is a mobile-friendly, cloud-based software that is compatible with IoT connected finishing systems and designed for executives and shop managers. LIVE™ provides multiple solutions in one system, including monitoring a paint booth's performance, costs, and technical metrics.

With greater visibility over the machines in a shop, and the employees who use them, secure the ability to monitor booth status and utility costs per job. Plus, gain accessible remote assistance from the Accudraft service team.



For More Information
On Accudraft LIVE

▼LIVE Control Panel

Touchscreen Controller



Experience unparalleled control and efficiency with the Accudraft's LIVE control panel, a first-of-its-kind innovation in the industry. This cutting-edge system empowers you with FIVE fully independent programmable processes, putting unprecedented power at your fingertips. Monitor your operations remotely, track job costs in real-time, and optimize performance with integrated heating, cooling, and humidity control.

The LIVE Controller's intelligent design allows Accudraft to diagnose issues remotely and ensure prompt delivery of any necessary components, taking the frustration and worry out of maintenance. With LIVE, you can say goodbye to troubleshooting and hello to maximizing productivity. This revolutionary system allows you to dedicate your energy to what matters most: producing flawless finishes in your paint booth.

Xcelerators ▶

Waterborne Paint Drying System

Accelerate your dry times with Accudraft's Xcelerator™ waterborne paint drying system. Add to your new Accudraft finishing system or retrofit to any existing system. With its own independent air supply, Xcelerator does need to use the shop's compressed air. 32 adjustable eyeball nozzles direct fast-moving 5-micron rated air at the job being painted to cut base coat dry times in half.*



*Estimated & typical. Not guaranteed.

Product Comparison Chart

2001™ Series

Features	SS (Space Saver)	ITALIA	TITAN
Dual Skin Type	Simplejoint	Simplejoint	Simplejoint
Airflow CFM	Up to 14,000	Up to 14,000	Up to 20,000
Draft Pattern	Semi Downdraft	Downdraft	Downdraft
Standard Mechanicals	Space Saver AMU	KD-500/630R	KD-560/630R
Drive Type	Belt Driven	Belt Driven	Belt Driven
Intake HP	7.5 HP	10 HP	15 HP
Exhaust HP	5 HP	10 HP	15 HP
Heating Power	1,200,000 Btu/hr	1,200,000 Btu/hr	1,500,000 Btu/hr
Heat Recycle	0 - 80%	0 - 80%	0 - 80%
Fixture Size / Tubes	48 Inch - 4 Tube	48 Inch - 4 Tube	48 Inch - 4 Tube
Lighting Power (W)	128 Watts / Fixture	128 Watts / Fixture	128 Watts / Fixture
LED Upper Angled Lightin*	8	8	10
LED Wall Lighting*	9	11	13
Fixture Orientation	Vertical	Vertical	Vertical
Ceiling Filter System	Full Width - 5 Micron	Full Width - 5 Micron	Full Width - 5 Micron
Ceiling Filter Access	EZ-Clip	EZ-Clip	EZ-Clip
Waterborne	Add Xcelerator™	Add Xcelerator™	Waterborne Ready
Controls	SmartPad™	SmartPad™	Accudraft LIVE™
EnergySmart VFD's	EnergySmart™	EnergySmart™	EnergySmart™
Starting Length (ft)	26	24	28
Starting Width (ft)	13	13	14
Starting Height (ft)	9	9	9
Exterior Vinyl Colors			

* Quantities shown are for the standard length for each booth model and may change if workspace length is extended or reduced.

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Worldwide Automotive Finishing Products



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