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.com

**ITALIA**



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# ITALIA

## High Performance Automotive Spray Booth



### 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.

# SAIMA

Of North America Inc.

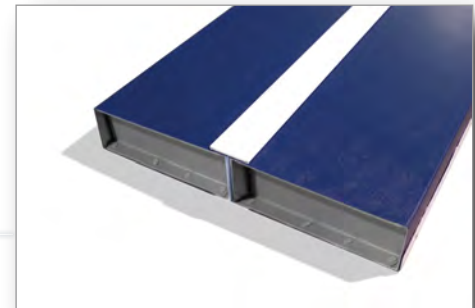
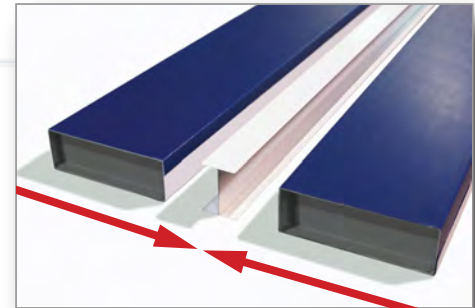
Since 1977

## H-Channel Construction ►

Interlocking Panel System

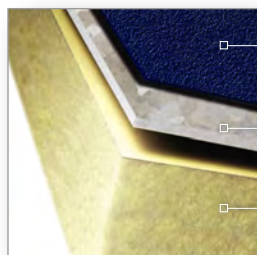


Accudraft ITALIA Spray Booth  
Installation Photo



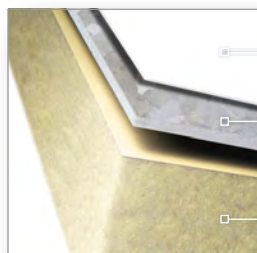
The Italia's H-channel construction provides up to four times the seal integrity of ordinary butt-jointed or bolt-together wall panels. Galvanized steel and industrial PVC coatings provide the highest grade of durability and outdoor weather resistance available. H-Channels also produce a neat & clean finish free of bolts or screws.

### 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 Panels ·
- Insulated Dual Skin Construction ·
- Non-flammable Insulation ·
- Meets National Fire Protection Requirements ·
- (NFPA Compliant)

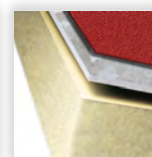
Available Exterior Colors:



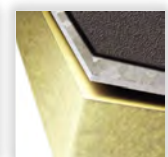
Accudraft Blu™



Ultra White™



Furia™



Grigio™



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# ITALIA

## Workspace Lighting ►

- Shadowless Lighting Design
- 45° Upper Angled Lights
- 36" Horizontal Wall Lights
- (23) Four-tube Light Fixtures Total\*

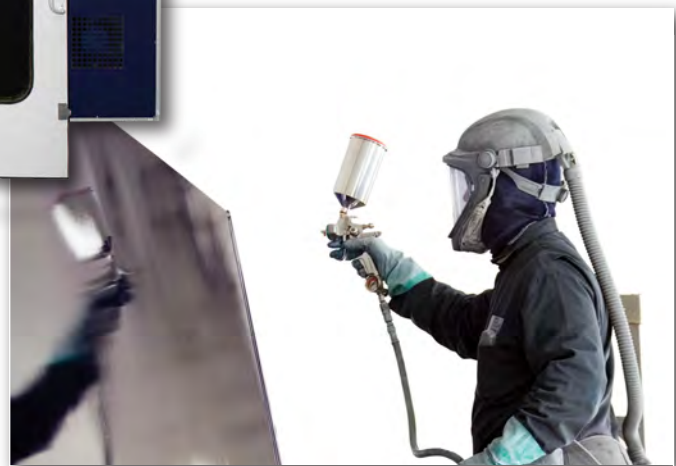
\* At standard sizes



Accudraft ITALIA spray booth with optional horizontal wall 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
- Full Width Ceiling Filtration
- EZ-Clip Change Out 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 downflow pattern and the extended pit design.



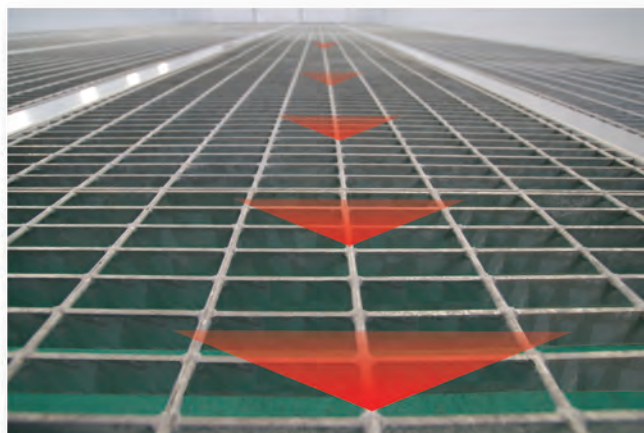
### Adjustable Vanes ▲

Re-adjustable Microtag Winglets

EvenFlo™ downdraft balancing vanes allow the Italia 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 will allow the user to adjust and readjust multiple times if changes are needed.

## ◀ EvenFlo™

Downdraft Balancing System





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### Horizontal Light Fixtures

- (21) Fixtures (At Standard Size)
- 36" Long
- 4 tubes each
- Inside access
- ETL lab-certified explosion proof



### Heavy Duty Control Panel

Made for decades of non-stop daily use. Automatic Flash, Bake, & Cool Down cycle.

### Wire-Mesh Reinforced Windows

Standard on all Italia Accudraft door assemblies



### Smooth Glide Hinges

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



### 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.



## 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 w/bonded PVC exterior & interior.

### Exterior Colors:



## EvenFlo™ Downdraft Balancing System

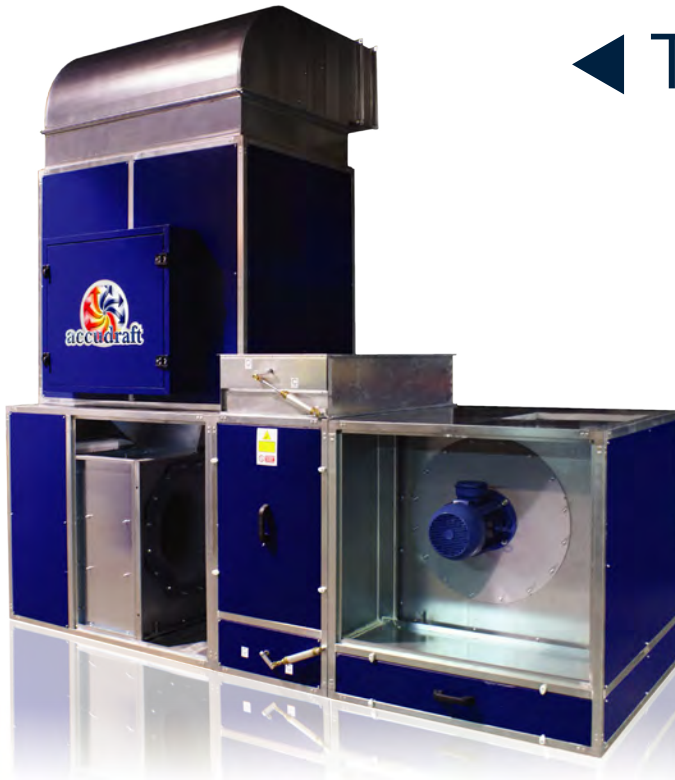
EvenFlo™ adjustable floor vanes allow the user to pinpoint areas of more or less air flow and adjust the strength of the draft until it's just right.



## (2) 10 HP VFD Package

Provides up to 50% in electrical energy savings.





## ◀ Timeless™ Direct Drive Integrated Mechanical Group

(2x) 10 HP Direct Drive Turbines ·  
14,000 CFM (Ft<sup>3</sup>/Min) ·  
1.2 Million Btu/hr ·  
85% Heat Recycling ·

The Timeless™ Direct Drive unit is a completely integrated intake, heat, and exhaust system. Direct fire heating and direct drive turbines provide powerful airflow and heat capabilities with the added benefit of longer filter life. Heat recirculation and high airflow allow the Italia to reach hotter temperatures faster than ever before, resulting in much faster curing times. Painters can do more jobs per hour while using up to 30% less energy than traditional spray booth systems.

Specially constructed inclined blade turbines allow the Timeless™ mechanical group to move air through dirtier filters than the average fan or blower. Two ten horsepower turbines generate powerful airflow at a rate of 14,000 CFM. This means that the entire cubic volume of the Italia's workspace is exchanged at least 4 times every minute.\* Once a vehicle or large body is brought into the workspace, the volumetric air exchanges become even faster.

\*Volumetric exchanges based on Italia starting size (24'x13'x9') (LWH)



## ◀ (2x) 14,000 CFM Direct Drive Turbines

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



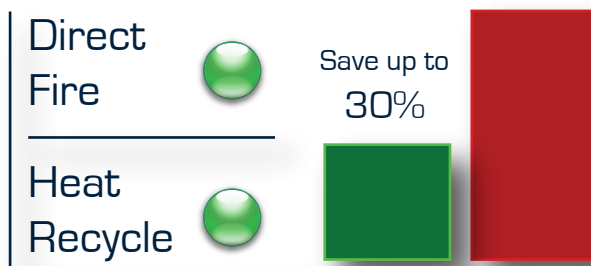
## ◀ Clean & Energy Efficient

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 ·

The Timeless™ mechanical group filters air in three different stages. Prior to entering the system, outdoor air is filtered to make sure the air being introduced is free of dust or debris. After the user has sprayed in the workspace, the overspray is evacuated through the exhaust turbine. Immediately before passing through the exhaust turbine, secondary or "post filters" further purify the air in order to protect the turbine from excess paint build-up. Accudraft goes the extra mile by introducing a third, re-filtration step when the mechanical group is recycling air through the workspace just in case any particles are present.

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 Timeless™ 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  $\pm 1^\circ\text{F}$ .



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



Want More?

Scan barcode for more on:  
Timeless Mechanical Group

## Burner ▶

- Direct Fire
- Stainless Steel Construction
- 1.2 Million Btu/hr (1.5 Million+ available)
- Cast Iron Delivery Manifold
- Natural Gas or Propane Fuel





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# ITALIA

## 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 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 Italia cools very quickly and keeps job production moving fast.



## Heavy Duty Controls ▼

Industrial Operator's Control Panel



## Optional Controls ▲

SmartPad™ Control Panel

- Digital Control Panel
- Digital PLC Controller
- Dual Modes for Standard and Waterborne Paint
- Allows for EnergySmart™ System with STANDBY
- Xcelerator Operation Built in

Accudraft's heavy duty control panel provides decades of daily use with rugged switches, pushbuttons and gauges. Lock and key ignition prevents any unauthorized access or tampering of settings. A protective and lockable glass door keeps controls clean and free from excess paint, chemicals, and shop dust.



## ▲ Italmec MPS-5®

Temperature Control Unit

Programmed and timed cycles proceed automatically and stop when the job has cooled down. Two-Phase curing temperature feature initially raises the metal or surface temperature quickly and then drops the temperature down for final curing. This allows the job to cure much faster than traditional systems that only use one cure temperature.



## ▲ Magnehelic

Air Pressure Indicator

The Magnehelic pressure gauge displays the air pressure inside the workspace. The user can monitor pressure and adjust the exhaust accordingly or change filters when indicated. Heavy tempered glass lens keeps the magnehelic sealed from the outside elements and protects against dirt & grime.



## ▲ [2] 10 HP VFDs

Variable Frequency Drive System

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. The VFD drives maintain pressure inside the spray area by adjusting turbine speeds manually. This eliminates a spike in power and can save thousands in energy usage over the course of a year.

## Superior Build Quality ►

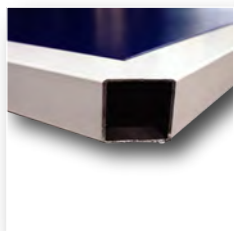
### Welded Structural Steel

- 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.



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## Superior Build Quality

Heavy Duty Hardware

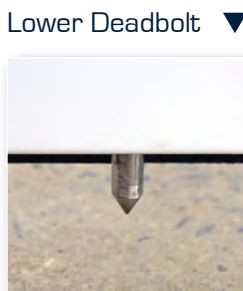


[6x] Super Duty Nylon Sheaves ▲

Accudraft's welded steel door structure, internal lock mechanics, and wire-mesh reinforced glass windows create a very rugged door system, 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 thousands of times over decades of use before any bushings need replacement.



Upper Deadbolt ▲



Lower Deadbolt ▼

## ◀ 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 ·

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

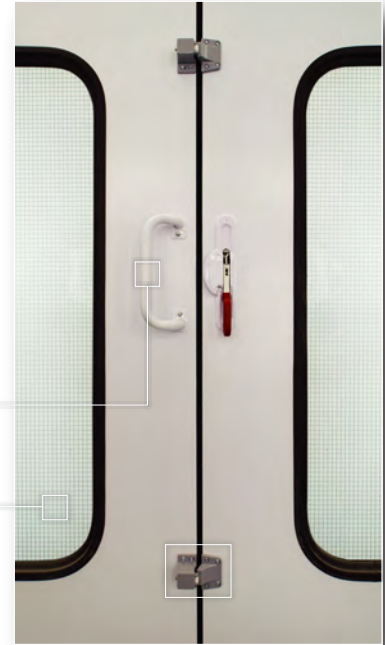
Heavy Duty Hardware



### ◀ 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.



$$F = -kx$$



## Product Comparison Chart ▼

2001™ Series

Features	ITALIA	XL	TITAN
Dual Skin Type	Insulated H-Channel	Insulated H-Channel	Insulated Tongue & Groove
Airflow CFM	Up to 14,000	Up to 14,000	Up to 20,000
Draft Pattern	Downdraft	Downdraft	Downdraft
Standard Mechanicals	Timeless	KD-500/500R	KD-560/630R
Drive Type	Direct Drive	Belt Drive	Belt Drive
Intake HP	10 HP	10 HP	15 HP
Exhaust HP	10 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 - 90%	0 - 90%	0 - 90%
Fixture Size / Tubes	36 Inch - 4 Tube	36 Inch - 4 Tube	48 Inch - 4 Tube
Lighting Power (W)	120 Watts / Fixture	120 Watts / Fixture	128 Watts / Fixture
Upper Angled Lighting	12 *	12 *	10 *
Wall Lighting	11 *	11 *	13 *
Fixture Orientation	Horizontal	Horizontal	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™	Waterborne Ready	Waterborne Ready
Controls	HD Pushbutton	SmartPad™	SmartPad™
EnergySmart VFD's	Softstart Only	EnergySmart™	EnergySmart™
Starting Length (ft)	24	26	28
Starting Width (ft)	13	13	14
Starting Height (ft)	9	9	9
Exterior Vinyl Colors			

\* Quantities may change if workspace length is extended or reduced.



## Worldwide Automotive Finishing Products



35  
  
YEARS

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