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.com

MX

Think Dustless

The MX Series ▼

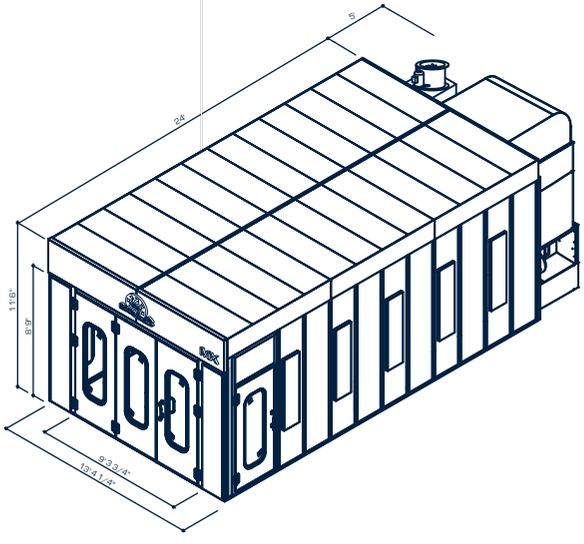
The MX-300, 400, & 600 provide the most options and flexibility when installing a new paint booth. All models include the same basic structure and control features and only differ in their draft pattern and pacement of air mechanicals. No matter what your needs or what shape and size you need your paint booth , the MX series has the answer.

MX Series Breakdown:

MX-300 = Semi Downdraft
MX-400 = Side Draft
MX-600 = Downdraft

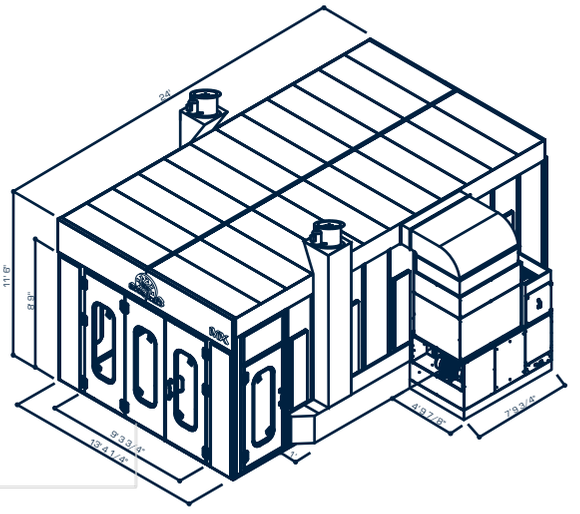
▲ MX-300

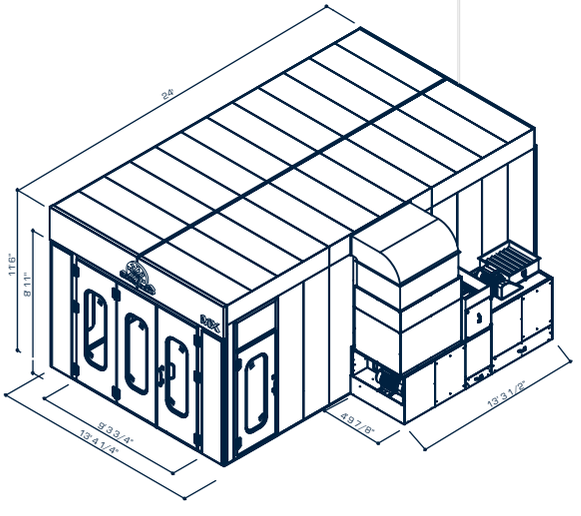
The MX-300 is a rear ventilated semi dwowndraft paint booth system designed for narrow shops where access to the sides is restricted. By mounting the mechanicals to the rear of the booth, space is saved without sacrificing production quality.



▼ MX-400

The MX-400 is a side draft paint booth system that draws air downward through the ceiling and out the side walls. Exhaust is achieved from the sides and intake mechanicals can be placed on either side of the paint booth to save room in length.



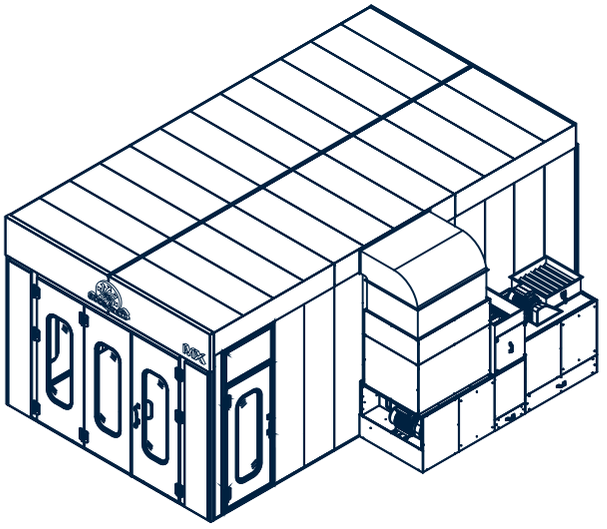


▲ MX-600

The MX-600 is a downdraft paint booth system that draws are from the ceiling and pulls it straight down through a pit in the concrete. Exhaust and Intake mechanicals can be placed anywhere around teh paint booth. Reinforced steel grates in the floor provide a driveable surface. The MX-600 is also available in an pitless downdraft design if it is purchased with a raised steel basement with drive-up ramps.

Single Skin Construction

Bolt-Together Panel System



MX-600™ with KD-500/500R
Intake Mechanicals

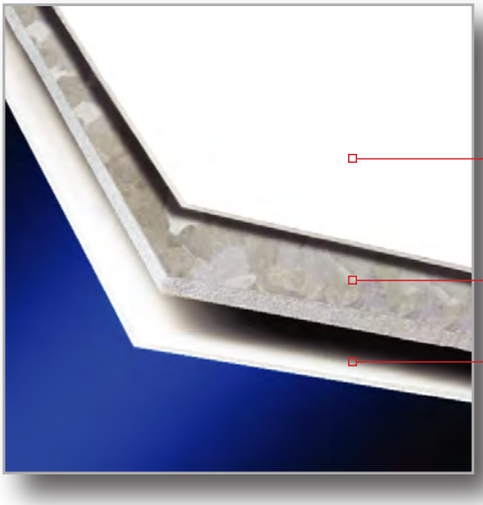
The bolt-together construction on the MX series can be installed quickly and easily with basic tools. Galvanized steel and industrial PVC coatings provide the highest grade of durability available. Pre-punched holes ensure easy alignment per panel for seamless assembly.

Industrial Vinyl Coating

Interior & Exterior

- Galvanized Steel
- Chemically Bonded PVC Coating (Interior & Exterior)
- Manufactured & Shipped with Protective Polyethylene Coating
- 24" Bolt-Together Panels
- Single Wall Construction
- Meets National Fire Protection Requirements
- (NFPA Compliant)

Wall Assembly

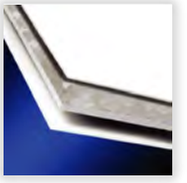


Ultra- White
Non-Reflective
Vinyl Exterior

Galvanized Steel

Ultra- White
Non-Reflective
Vinyl Interior

Available Exterior Colors:



Ultra White™

Workspace Lighting

Daylight Corrected Illumination

- Shadowless Lighting Design
- 45° Inclined Upper Light Banks
- 48" Vertical Wall Lights (recessed)
- (12) Four-tube Light Fixtures Total*

*Amount may vary if workspace is extended or shortened

(8) 45° Upper Gable Lights
(Standard)

(4) Recessed Vertical Wall Lights

Accudraft MX-300 spray booth.

◀ MAGNA II

Explosion Proof Light Fixtures

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 flexibilty. 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.

- 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

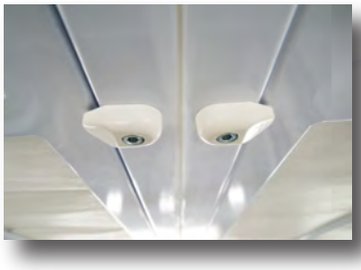
Airflow Pattern ▼

Each MX model features a unique airflow pattern designed draw overspray away from the paint surface and towards the exhaust points. 5 Micron ceiling filtration ensures a contaminant-free environment, while intake and exhaust fans produce a strong current of air throughout the workspace.

EZ-Clips ▶

Tools Free Ceiling Access

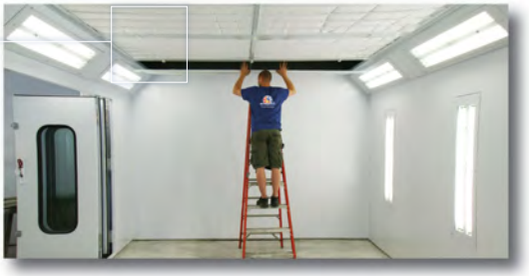
All models include EZ-Clip ceiling filtration system. EZ-Clips allow for fast and tools-free ceiling filter changes. Changing ceiling filters can be completed in less than 30 minutes and can be performed by one person.



▲ MX 300

Airflow on the MX 300 is designed to move from the ceiling across the length of the vehicle and towards the rear of the paint booth.

Side view of semi down-draft airflow pattern.

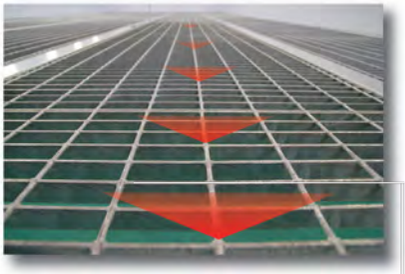


▲ Ceiling Filtration

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

EvenFlo™ ▶

Downdraft Balancing System



◀ Adjustable Vanes

Re-adjustable Microtag Winglets

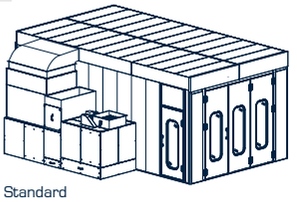
EvenFlo™ downdraft balancing vanes allow the MX-600 to draft evenly across the entire exhaust pit or basement. No more uneven drafts or dead spots.

▲ MX-400

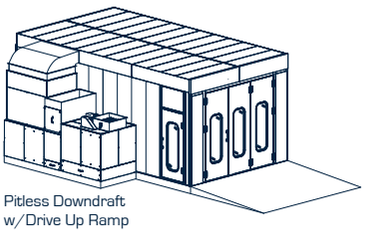
The MX-400 diverts the airflow to the sides of the booth, offering two points of exhaust and even circulation. Any overspray is drawn out to the sides and away from the vehicle, ensuring a clean application environment.

▲ MX-600

The full downdraft MX-600 keeps your workspace clean by channeling the airflow from the ceiling through a pit and tunnel system embedded in the concrete floor. Airflow creates a tight envelope around the entire vehicle and pulls any overspray or contaminants straight down.



Standard
Pit Downdraft



Pitless Downdraft
w/Drive Up Ramp

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Depending on model, exhaust is achieved in different places around the workspace and each carries a different size blower or combination of blowers. See exhaust and intake arrangements (next page). Mechanical areas are highlighted in red.

◀ Exhaust Mechanicals

Tube Axial or Turbine Design

- 10,000 CFM
- Non-Sparking (Certified for Hazardous Location)
- (1) 30" Diameter Tube Axial Fan on MX-300
- (2) 24" Diameter Tube Axial Fans on MX-400
- 500 Millimeter Backward Inclined Turbine on MX-600

Integrated Intake & Heat Recycle ▶

All MX models carry the same intake system. 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 98% fuel efficiency. This means that almost 100% of the gas being used is actually turning into heat. No more inefficient fume chimeys or heat exchangers and no more high/low temperature swings. Maintainable temperature accuracy can approach ±1°F.

High efficiency motors and turbines allow the KD mechanical group to move 10,000 CFM. This means that the entire cubic volume of the paint booth workspace is exchanged almost 3 times every minute.*

*Volumetric exchanges based on MX starting size (24'x13' 4 1/4"x11' 6") (LWH)

Up to 90% Heat Recylce.

Burner ▲

- Computerized Burner Controls
- Direct Fire - 98% Heating Efficiency
- 1.2 Million Btu/hr (1.5 Million+ available)
- Stainless Steel Burner Constuction
- Natural Gas or Propane Fuel

◀ NEMA Premium Motors

Weg® NEMA Premium Efficiency Motors

- Weg TEFC Motors
- Fan Cooled Cast Iron Body
- Re-greaseable Ball Bearings
- 3 Phase 240V or 480V
- Rated for Continous Operation
- Designed for Dusty Environments

Want More?
See more features at accudraftpaintbooths.com.

10,000 CFM ▶

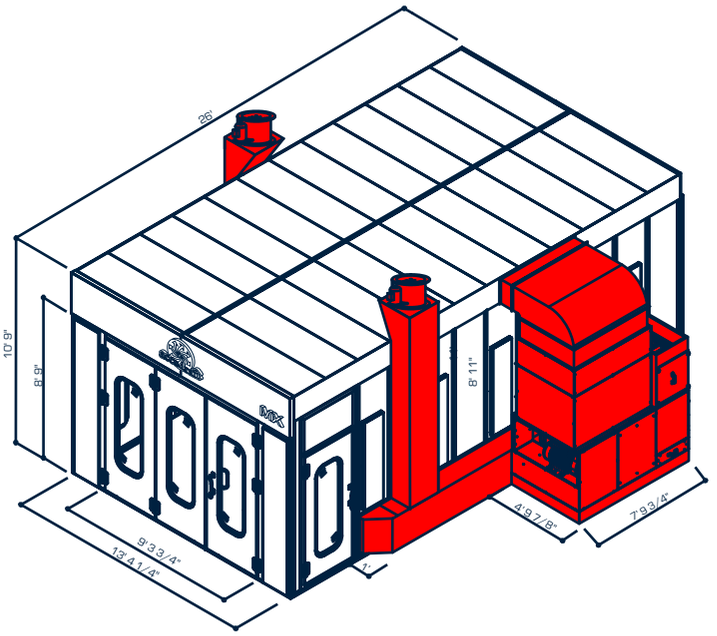
10,000 CFM Centrifugal Intake Fan

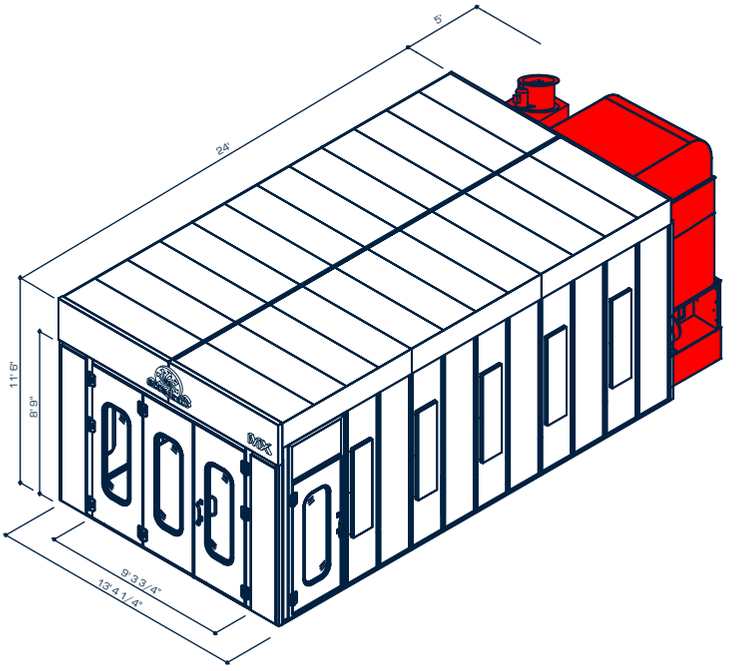
- Forward Curve Intake (Reduces Noise in the Workspace)
- Non-Sparking (Certified for Hazardous Location)
- Greasable Pillow Block Bearing Mounts

MX-300 ▶

KD Intake/(1) 30" Tube Axial Ehaust Fan

The MX-300 features the KD intake and one exhaust fan mounted to the rear of the booth, saving space without sacrificing production quality. This setup is great for narrow shops where access to the sides is restricted.





◀ MX-400

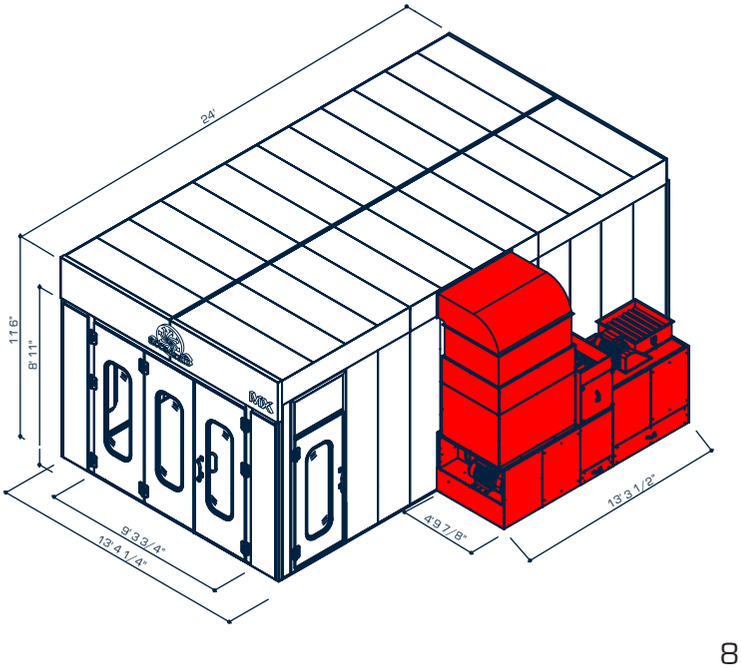
KD Intake/(2) 24" Tube Axial Ehaust Fans

The MX-400 has a side mounted KD intake, with exhaust fans on both sides of the booth. This allows overspray and contaminants to be drawn away through the left and right walls simultaneously.

MX-600 ▶

KD Intake/500R Exhaust Turbine

The MX-600 boasts an integrated KD intake and exhaust system installed on the side of the booth. Full down draft circulation and reinforced steel grates in the floor provide a driveable surface that removes exhausted air.

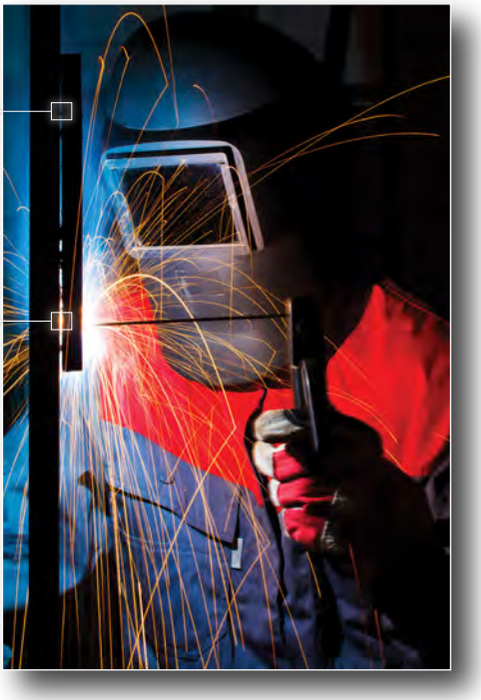


Superior Build Quality ▶

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 unparalelled quality for over 35 years. Build quality is the cornerstone around which all Accudraft products are engineered and it's place in the products 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 quality commodity 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

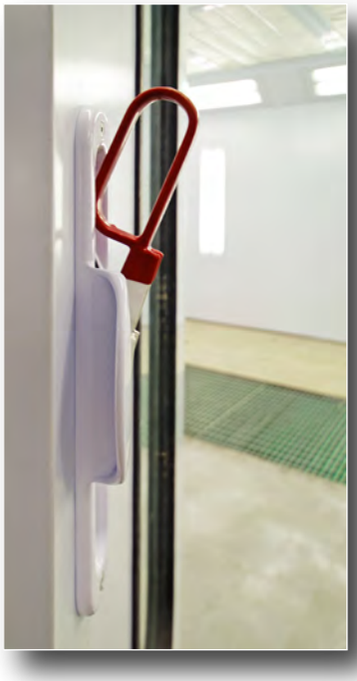
(6x) Super Duty Nylon Sheaves ▲

◀ Nylon Axis Hinges

Heavy Duty Capacity. Easy Operation

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

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 ▼

◀ 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 threashold 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 alllow 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 ugly refrigerator-style latches to slam open and shut. A simple click and a thump lets the user know the door is properly shut.

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MX

▼ SmartPad™ Controls

- Digital PLC Control Panel
- Digital Pressure Control
- Softstart Feature - Starts Exhaust Motor Gradually

▼ Exhaust VFD

Variable Frequency Drive System

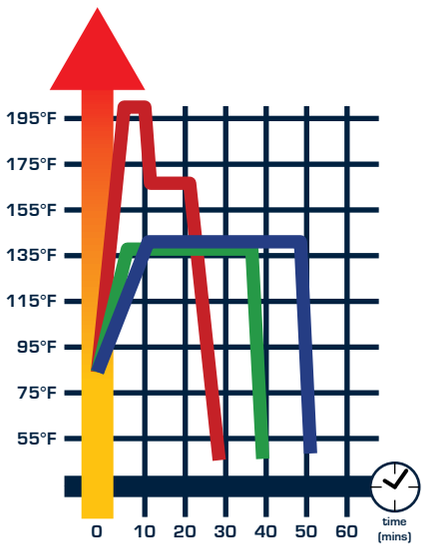
Save 30% or More on Electric Usage ·
Automatic Pressure Control ·
May Qualify For Government Energy Rebates* ·

* Restrictions Apply. All Installations may not qualify. Rebate percentages may vary.

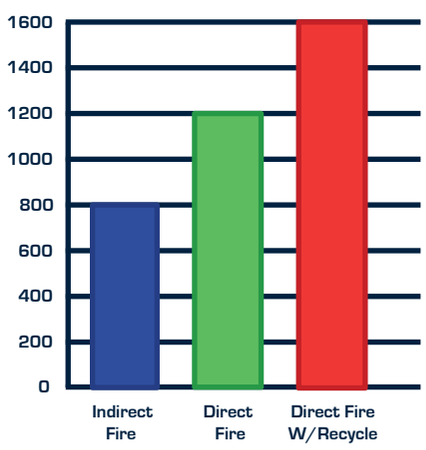
Xcelerator Controls
The SmartPad™ control panel is pre-designed to run Xcelerators in the future. The Xcelerator package is an optional upgrade designed for finishing speed. 32 filtered jet nozzles with up to 3000 feet per minute air speed expedite the finishing process.

Fast Temperature Rise
Direct fire heat processing ramps the initial temperature up much faster and achieves faster surface temperature on the substrate being cured. Faster temperature speeds can translate to increased job production and can make a huge difference in your bottom line.

Direct Fire w/Heat Recycle
Direct fire heating with up to 90% heat recycle and built-in auto-tune heat functions keep your system working at peak energy efficiency. Your cycle time will decrease and your facility will yeild more completed jobs every week. Costs per job are reduced and profits are increased.



Jobs Per Year*



*Calculations are estimated and increases in production are not guaranteed.

Work Phase ▶

Prep, Spray, Flash

The MX series 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 airflow provides efficient overspray removal and complies with both EPA & OSHA regulations for spray application environments.

◀ 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 10,000 cubic feet of air exchanged every minute, the MX cools very quickly and keeps jobs moving fast.

Product Comparison Chart ▼

MX™ (Maxdraft) Series

Features	MX-300	MX-400	MX-600
Single Skin Wall Type	Bolt-Together	Bolt-Together	Bolt-Together
Airflow CFM	10,000	10,000	10,000
Draft Pattern	Semi Down (Rear)	Side Down	Downdraft
Exhaust Mechanicals	30" Tube Axial	(2) 24" Tube Axial	500 Millimeter Turbine
Exhaust HP	5 HP	(2) 2 HP	7.5 HP
Intake Unit	KD-500	KD-500	KD-500
Intake HP	7.5 HP	7.5 HP	7.5 HP
Heating Power	1,200,000 Btu/hr	1,200,000 Btu/hr	1,200,000 Btu/hr
Heat Recycle	0 - 90%	0 - 90%	0 - 90%
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
Upper Angled Lighting	8*	8*	8*
Wall Lighting	4*	4*	4*
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™	Add Xcelerator™
Controls	SmartPad™	SmartPad™	SmartPad™
Exhaust VFD's	(1) Exhaust VFD	(2) Exhaust VFD's	(1) Exhaust VFD
Starting Length (ft)	24	24	24
Starting Width (ft)	13	13	13
Starting Height (ft)	9	9	9
Exterior Vinyl Colors			

* Quantity of light fixtures at starting length. Quantities may change if workspace length is extended or reduced.

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Worldwide Automotive Finishing Products

35
YEARS

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info@accudraftpaintbooths.com | www.accudraftpaintbooths.com

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