

ULTRA Plus 1

Downdraft Spraybooth

WELCOME TO THE NEXT GENERATION OF SPRAY BOOTH TECHNOLOGY.

Your customers expect nothing but the best, and so should you. Designed for body shops that demand no less than the absolute best, Global Finishing Solutions introduces the new Ultra Plus 1 Spray Booth.

Highest Productivity Lowest Operating Costs Best Quality Finishes

These were the three goals to be met by this new spray booth, and the Ultra Plus 1 really does go above and beyond the call of duty. Everything about the Ultra Plus 1 works together to achieve the fastest production times and the absolute lowest operating costs, while maintaining the superior quality finishes the world has come to expect from Global Finishing Solutions Ultra spray booths.

Easy to read, Easy to use, Complete control.

Ultra Plus 1's controls were designed to encompass all aspects of spray booth operation. The state-of-the-art SBC Plus 1 remote control panel integrates the heat system controls, patented SmartCure technology, and AdvanceCure controls into one intuitive, user-friendly unit. Fully programmable, with large, clear digital displays, and extremely easy to use, the SBC Plus 1 is the perfect complement to the Ultra Plus 1.

All coatings are NOT created equal...

In fact, every type of coating from every paint manufacturer has unique characteristics. Clear-coats, for example will need very different cure cycles than base coats or primers. Each coating requires very specific temperatures, for very specific intervals, at very specific times in the cycle. That's why Ultra Plus 1 is equipped with the SBC Plus 1 control panel with patented SmartCure technology. SBC Plus 1 control panels are pre-programmed for each user's specific SmartCure paint profile. With the touch of a button, SmartCure technology automatically knows what temperature is needed, at what time, and for exactly how long. Ultra Plus 1 eliminates the need for guesswork and gives you the shortest and most effective curing cycle possible.

Minimize Cost to Maximize Profits.

Every second of unnecessary power consumption costs you money. Ultra Plus 1's automatic energy saving features keep your operating costs lower than ever.

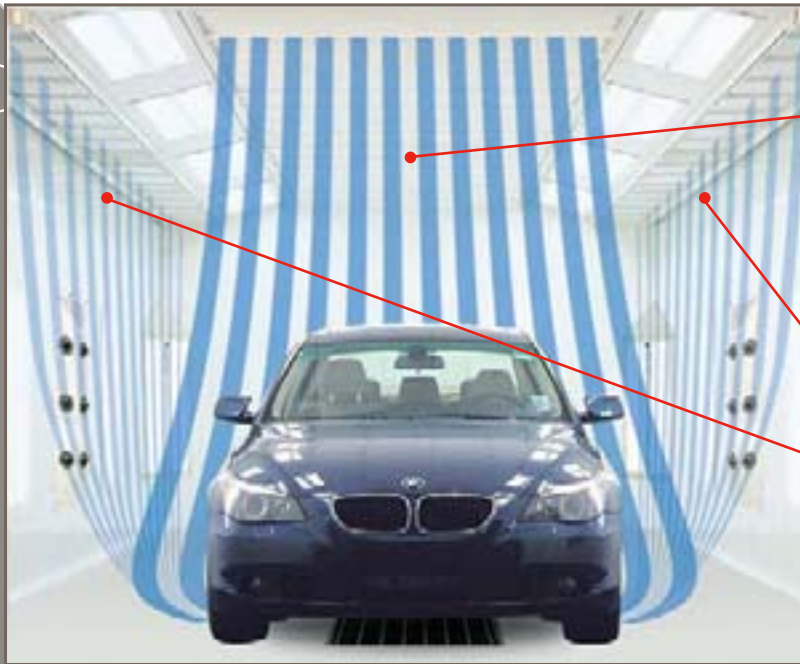
Utilizing Variable Frequency Drives on the intake and exhaust motors to give much smoother motor startup, Ultra Plus 1 eliminates power consumption spikes when the heat system is operating. The SBC Plus 1 control panel automatically switches to the energy-saving 'Economy Mode' when it senses that the operator in the booth has stopped spraying. This results in a cost savings of up to 60% in power usage and up to 75% in fuel savings.



**LOWER OPERATING COSTS PER VEHICLE EQUALS
HIGHER PROFITS FOR YOUR BUSINESS.**

Downdraft airflow – Upgraded!

It is universally understood that of all the spraybooth types, downdraft spraybooths provide the most efficient removal of overspray. Global Finishing Solutions' engineers designed the Controlled Air Flow ceiling to maximize the effectiveness of the downdraft airflow model. The Main Flow Zone located in the middle of the booth concentrates airflow around the vehicle to remove overspray. The Secondary Flow Zones located on each side of the booth circulate overspray away from the walls and light fixtures and pull it to the pit filters to be safely contained. This patented feature is available only from GFS.



MAIN FLOW ZONE

GFS EXCLUSIVE!
Patented Technology

SECONDARY FLOW ZONES

Superior contamination control.

Ultra Plus 1 is meticulously engineered to provide the highest levels of contamination control and the best quality finishes possible. The pressurized design of the Ultra Plus 1 prevents dust and contamination from entering the booth. Any contaminants that try to enter through the air intake or exhaust are trapped in the multi-stage filtration systems and high-efficiency downdraft ceiling filters. High capacity floor filters keep overspray securely contained while engineered pits minimize the frequency of filter changes.



Accelerated airflow = Faster curing.

With our patented AdvanceCure system, the Ultra Plus 1 accelerates curing times and reduces cycle time, making your operation more productive and responsive to customer needs.

AdvanceCure technology operates in tandem with the Ultra Plus 1's optimized downdraft airflow to increase the efficiency and speed of the flash-off and curing processes. Typical downdraft airflow creates a layer of low-pressure air on the painted surfaces that acts like a 'skin', slowing down the curing process of the paint beneath it (Shown in photo with AdvanceCure OFF).

By aiming the adjustable nozzles of the unit at various areas of the vehicle, AdvanceCure introduces controlled turbulence on the painted surfaces, thus eliminating the low-pressure layer (Shown in photo with AdvanceCure ON). This improved airflow around the vehicle allows the coatings to cure more effectively in less time.

AdvanceCure also solves the problem of heat stratification or 'layering' in the booth. It's no secret that warm air rises. Even in a downdraft booth, the air near the ceiling will be warmer than the air at the bottom. Sometimes the difference can be up to 27° Fahrenheit! This creates the problem of faster curing of the higher located areas of the vehicle, and slower curing of the lower surfaces. By creating additional air circulation within the booth, AdvanceCure provides optimal heat distribution over the painted surfaces.

With all processes automated and controlled from the elegant SBC Plus 1 Remote Control Panel, AdvanceCure results in shorter cycle times, higher production rates, and better finishes through more consistent curing.

AdvanceCure OFF
Smoke lingers on the surface



AdvanceCure ON
Smoke is instantly dispersed

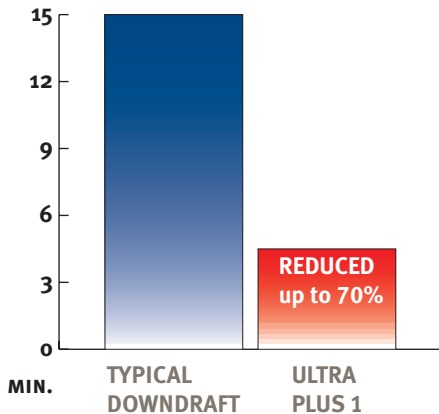


**CALL TO ARRANGE A VISIT TO AN ULTRA PLUS 1 INSTALLATION -
IT WILL BE TIME WELL SPENT**

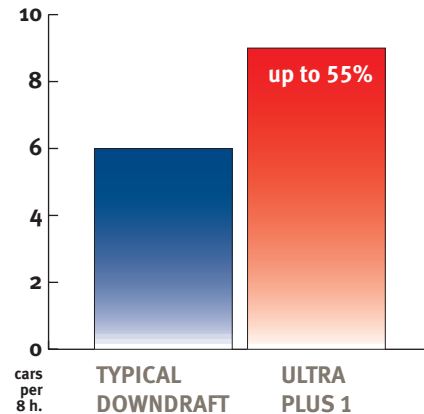
Save Energy, Be More Productive

Ultra Plus 1 has proven itself by providing a Return On Investment that is without a par when compared to other downdraft booths on the market. We are proud to share with you the results of tests performed using paints from major manufacturers.

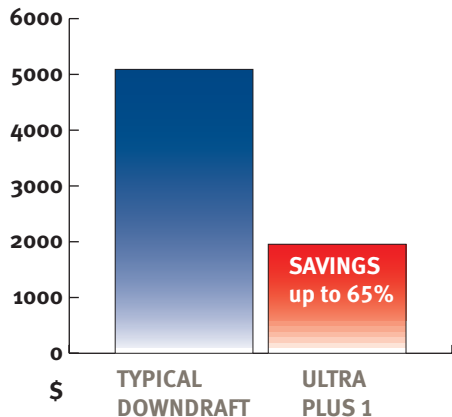
FLASH-OFF TIME



INCREASED PRODUCTIVITY



LOWER OPERATING COSTS



Saving energy, cleaner finishes, and increased productivity translate into lower operating costs, which means that the Ultra Plus 1 spraybooth virtually pays for itself in a very short period of time. By investing in a "SMART" booth, a typical bodyshop will be able to do MORE FOR LESS. Please ask our representatives to demonstrate the customized operating cost calculation for your finishing operation.

**PLEASE CALL US AT 1-800-GO-ULTRA (800-468-5872)
TO CALCULATE ENERGY SAVINGS AT YOUR BODYSHOP**



PROVEN RESULTS

DESIGNED FOR BODYSHOPS

DEMANDING THE BEST

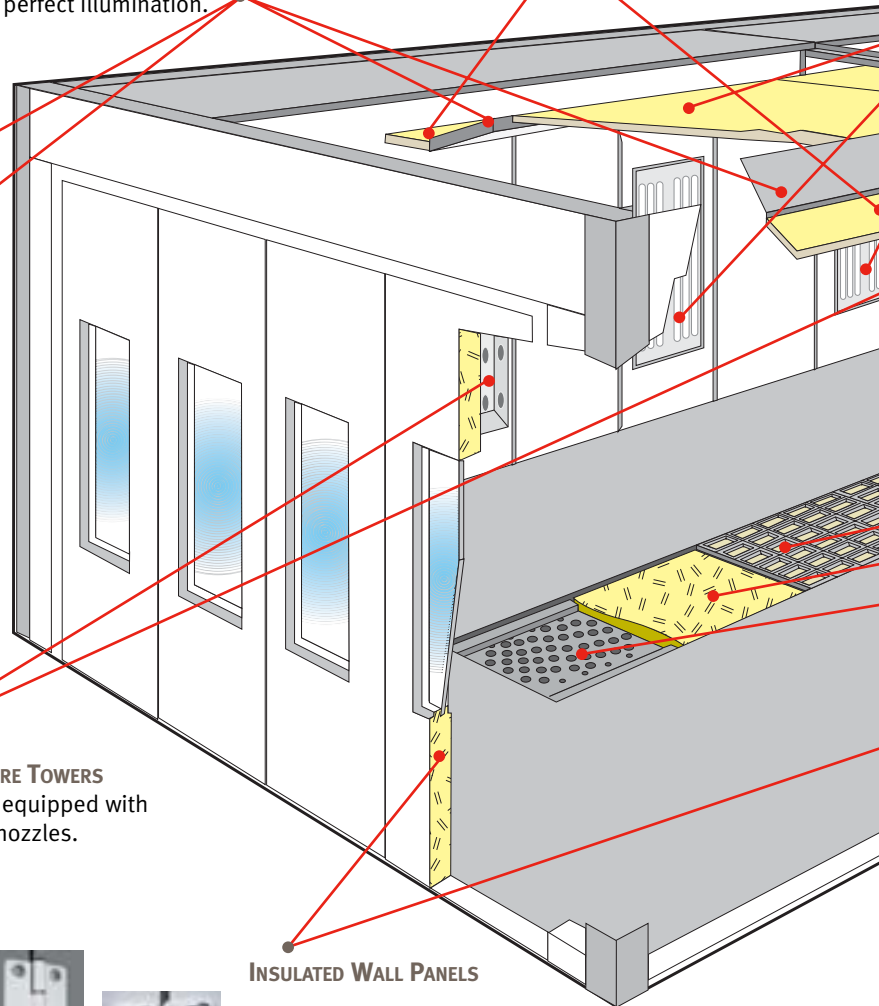
SmartCure™

Accelerated curing system increases productivity by using paint specific cure cycle profiles.



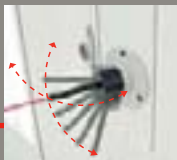
8 CEILING LIGHTS
Positioned close to vehicle for perfect illumination.

SIDE FLOW ZONE FILTERS



4 ADVANCE CURE TOWERS
Each tower is equipped with 9 adjustable nozzles.

INSULATED WALL PANELS



Advance Cure

- Pinpoint targeting of air stream with light beam.
- Movable nozzles.



HARDWARE

Adjustable industrial hardware and hinges.



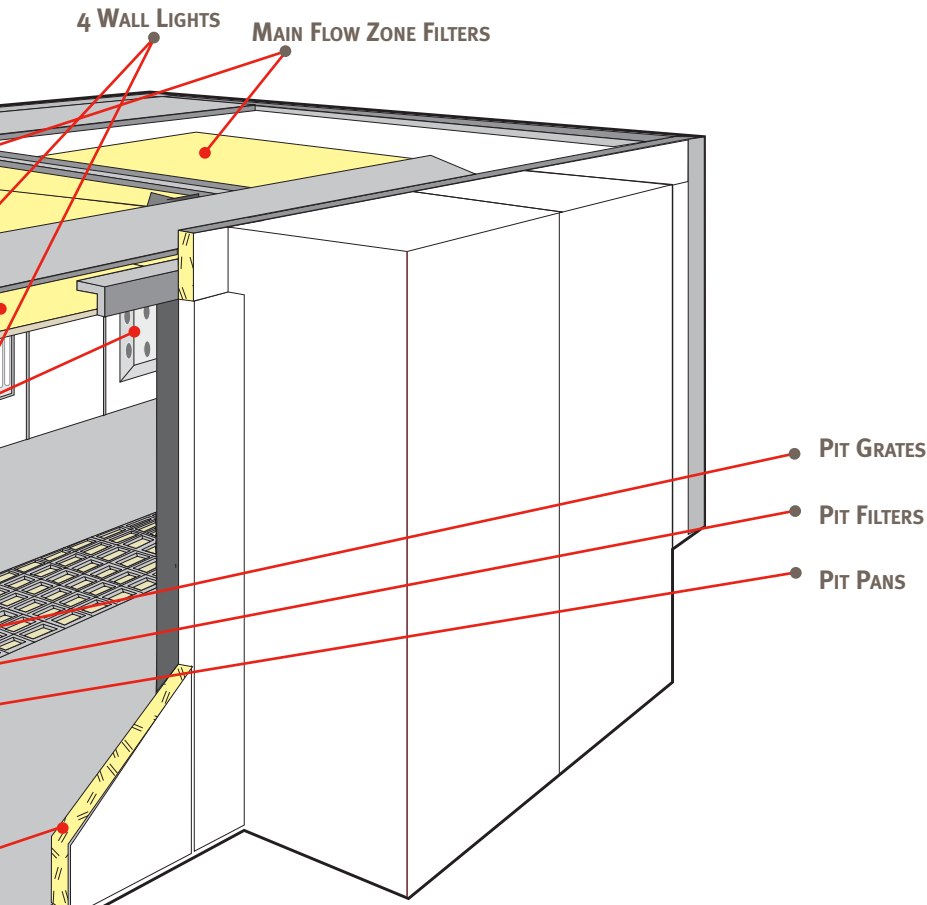
BURNER

Ultra Plus 1 Spray Booth comes with a Direct Fire Burner, generating faster cabin heat rise and better efficiency than heat exchangers.



PLUS 1 CONTROL PANEL

Featuring "Economy", Pre-Flash and SmartCure™ modes.



LIGHT FIXTURES

Energy efficient six tube light fixtures come with energy - saving color-corrected, fluorescent T-8 tubes and electronic ballasts. Ultra Plus 1 comes equipped with 16 light fixtures (96 tubes), including four corner lights.



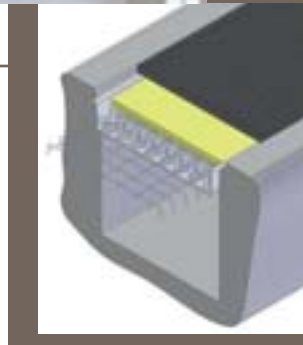
CAF CEILING

Hinged filter racks for easy filter replacement. Filters are 8 micron and high temperature compatible.



Engineered Pit Design

Filters are suspended on racks above pans, enabling balanced air distribution and maximizing filter utilization.



DIRECT-DRIVE, BACKWARD-INCLINED FANS:

Maintain consistent air flow, even when the filters load up causing increased resistance. Less expensive fans just can't stand up to the pressure.

Deliver higher performance with less horse-power, while consuming far less energy. Require much less maintenance because there are no belts, pulleys or bearings to replace. In this case, less is truly more.



VFDs

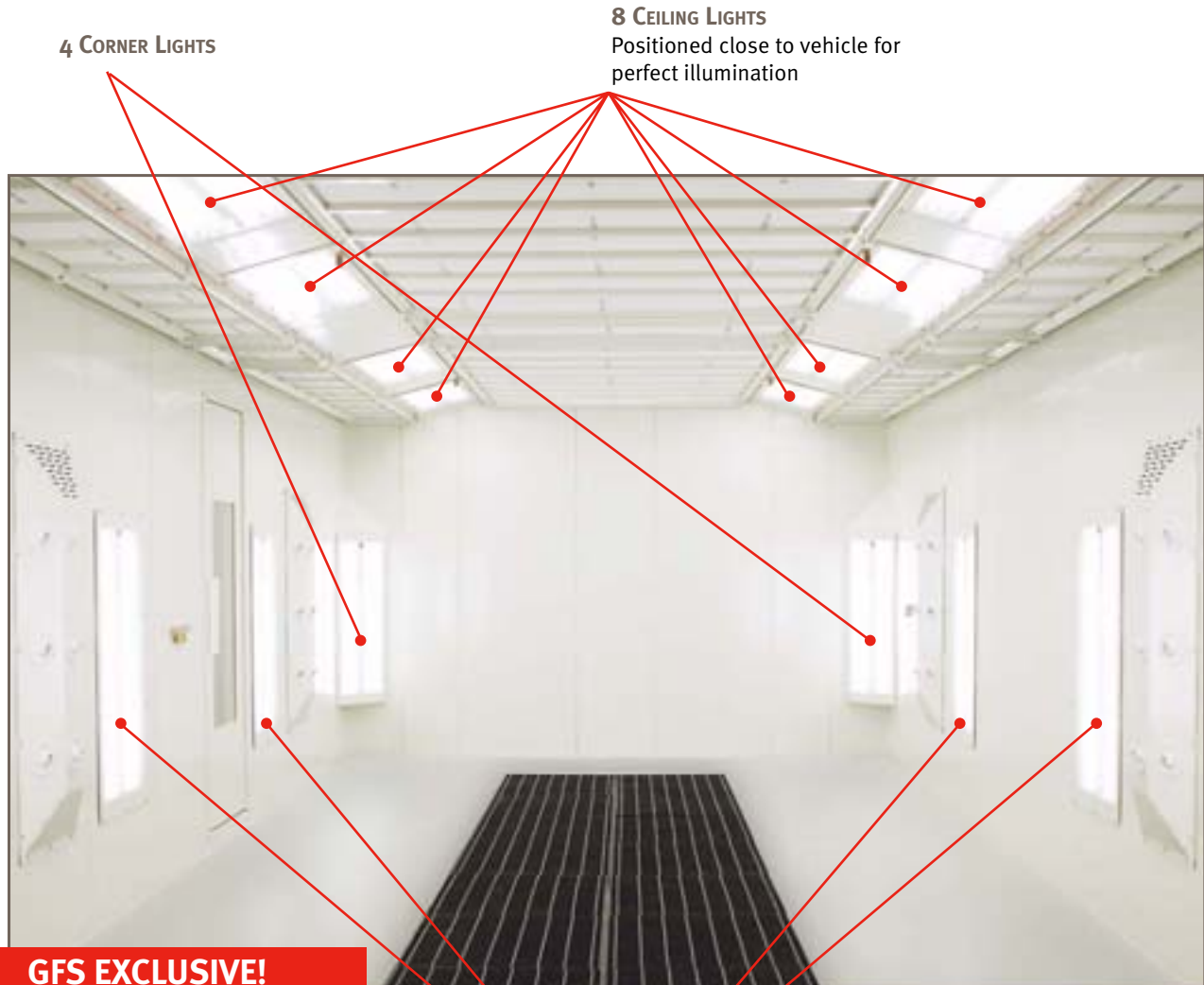
Two Variable Frequency Drives accelerate airflow during flash-off cycles, provide energy-saving smooth motor starts, and facilitate the operation of the booth in "economy" mode.

Superior Illumination

Global Finishing Solutions had one objective when designing the light arrangement for the Ultra Plus 1:

NO SHADOWS! Eight uniquely integrated 6-tube ceiling light fixtures, four 6-tube sidewall light fixtures and four 6-tube corner lights provide exceptional lighting and create a spraying environment that is shadow-free. This patented feature is available only from GFS.

Controlled Air Flow ceiling places eight angled lights in a close proximity to the vehicle. With CAF ceiling lights applying clear coats is much easier and painters' productivity improves. By utilizing energy efficient T-8 fluorescent tubes and electronic light ballasts, the Ultra Plus 1 produces excellent illumination while being very cost-effective.



GFS EXCLUSIVE!
Patented Technology

Booth shown with optional dual-row pit

4 WALL LIGHTS

Built solidly, from the ground up

ULTRA PLUS 1 IS A BOOTH THAT'S BUILT TO LAST. HERE ARE THE FEATURES THAT MAKE THE **ULTRA PLUS 1** - A BOOTH THAT WILL BE SERVING YOU FOR MANY YEARS:

White pre-coated galvanized steel

› White coating diffuses light and prevents reflections

Dual-skin insulated panel construction

› Insulated construction reduces noise and ambient heat outside the booth

Self-sealing airtight panels

› No-weld design eliminates rust-prone areas

Heavy-duty 4-wing entrance doors

› Adjustable hinges and locking mechanisms

Fully compliant with all applicable building codes, fire regulations, mechanical codes, electrical codes, and health and safety codes.

--GLOBAL FINISHING SOLUTIONS

WORLD-RENOWNED ULTRA DOWNDRAFT SPRAY BOOTH,
WITH OVER 10,000 INSTALLATIONS WORLDWIDE, HAS EVOLVED INTO:

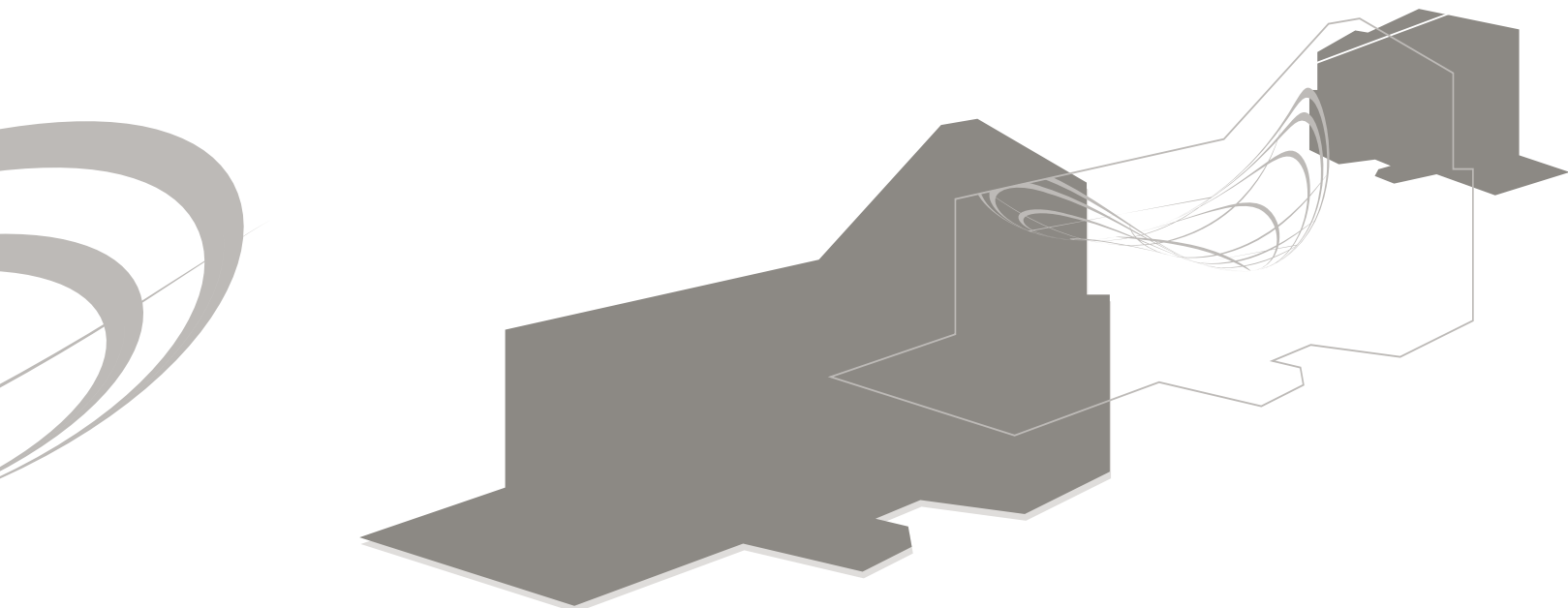
ULTRA PLUS 1

HIGHEST PRODUCTIVITY + LOWEST OPERATING COSTS

+ BEST QUALITY FINISHES

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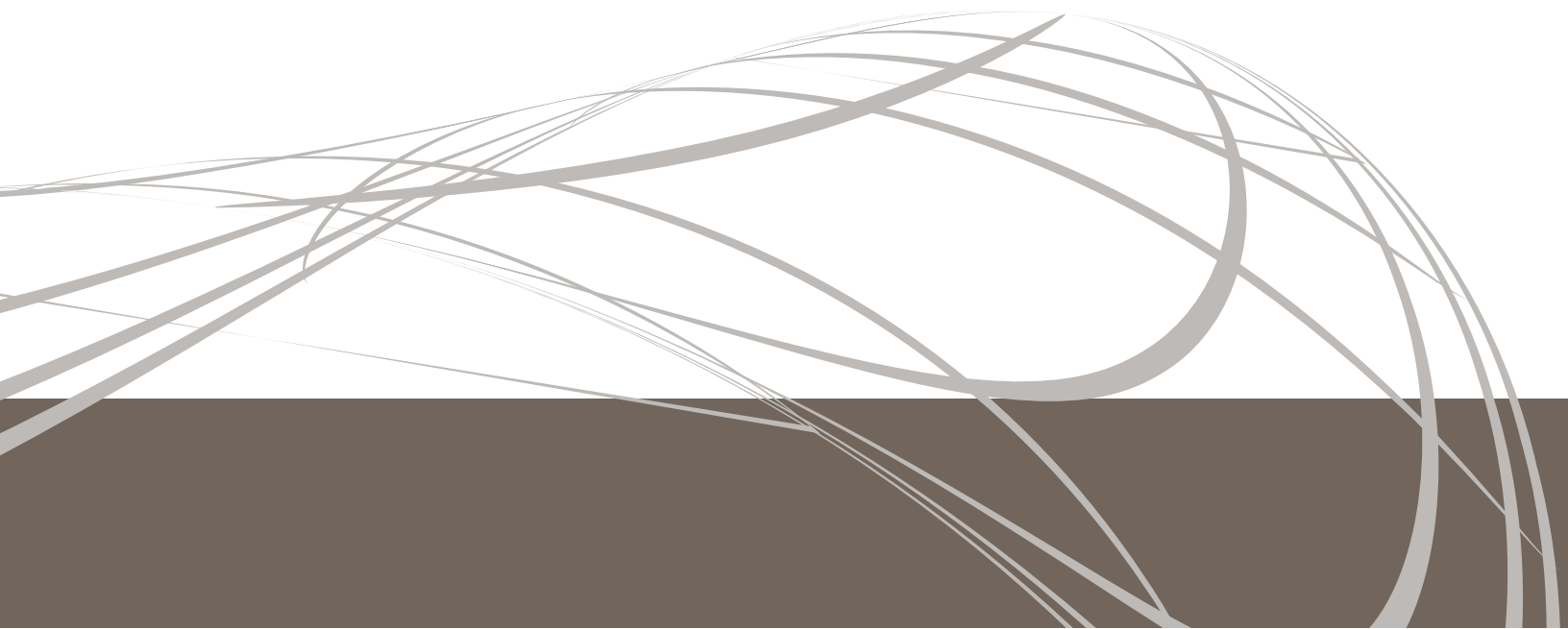
INCREASED PROFITABILITY FOR YOU!



GFS and OEM Programs

Global Finishing Solutions is the only spraybooth manufacturer approved by all major car manufacturers. Our heritage goes back to the very beginnings of the finishing industry, and we continue to build on our experience and dedication to improving our products. We enjoy exclusive relationships with most major car manufacturers, you can find our name on the approved equipment list of:

- › **ACURA**
- › **AUDI**
- › **BMW**
- › **DAIMLERCHRYSLER**
- › **FORD**
- › **GENERAL MOTORS**
- › **HONDA**
- › **HYUNDAI**
- › **INFINITY**
- › **ISUZU**
- › **JAGUAR**
- › **KIA**
- › **LAND-ROVER**
- › **LEXUS**
- › **MAZDA**
- › **MERCEDES**
- › **MINI**
- › **MITSUBISHI**
- › **NISSAN**
- › **PORSCHE**
- › **SAAB**
- › **SUBARU**
- › **SUZUKI**
- › **TOYOTA**
- › **VOLVO**
- › **VOLKSWAGEN**



Service and Support

Our products are supported by the largest and best-trained Sales, Installation, and Service network in North America. Together, we are a Team of committed individuals focusing on the same goal: To lead the industry in providing collision repair shops with increased productivity and profits through quality products, unmatched service, and complete customer training. We fulfill this commitment by continuing to establish and maintain the highest performance standards in:

- › **PLANNING, DESIGN & ENGINEERING**
- › **MANUFACTURING**
- › **SALES**
- › **SERVICE**
- › **INSTALLATION & CONSTRUCTION**
- › **TRAINING**



FOR SUPPORT CALL 800-GO-ULTRA

Ultra Plus 1 – Specifications

Standard Dimensions:

- Internal – 14' wide x 9' high x 27' long
- External – 14'5" wide x 11' high x 27'5" long
- Length extensions available to 30' or longer

Construction:

- Downdraft airflow during spray and cure cycles
- Single-row pit (24' long)
- White pre-coated galvanized steel
- Dual-skin insulated panels with self-sealing construction
- Controlled Air Flow ceiling with integrated angled light fixtures
- Floor track leveling feature (up to 1 5/8")

Doors:

- 4-wing entrance door – 10'8" wide x 8'8¾" high opening
- Solid design with observation windows
- 1 Personnel access door, 32" wide x 7'7" high, with observation window

Lighting:

- ETL Listed inside-accessible light fixtures 120/277V
- Eight 6-tube ceiling light fixtures
- Four 6-tube wall light fixtures
- Four 6-tube corner light fixtures
- Energy-efficient electronic ballasts
- T-8 Color-corrected fluorescent tubes
- Light wiring harnesses for ease of installation

Ultra Recirculating Heat System:

- 1.5 million BTU direct-fired heat unit
- SBC Plus 1 remote control panel
- Programmed with SmartCure technology
- Integrated AdvanceCure system controls
- 2 x 15hp High-efficiency Direct-Drive motors (Intake and Exhaust)
- Variable Frequency Drives on intake and exhaust motors
- Automatic pressure controls
- Backward-inclined intake and exhaust fans
- Booth pressure monitoring gauge
- Fueled by natural gas or propane (Oil fuel version optional)

AdvanceCure System:

- 4 x AdvanceCure towers with 9 adjustable air nozzles each
- High-efficiency fans

Four-Stage Filtration:

- Real-time electronic filter monitoring with dual digital display
- High-efficiency, high-temperature compatible, 8-micron downdraft filter media in Controlled Air Flow ceiling
- Multi-stage heat system filtration on Intake and Exhaust
- High-holding capacity filter media in pit/basement

Optional Equipment:

- Drive-Thru configuration
- Working length extensions
- Raised platform (for installations where pit extraction not possible)
- Three-row pit, 21' long
- Fire suppression system



Dimensions			
	Length	Width	Height
Cabin Internal	27'	14'	9'
Cabin External	27'5"	14'5"	11'
4 Wing Frontal		10'8"	8' 8¾"

Code Compliance:

The Ultra Plus 1 Spray Booth system conforms to the requirements of:

- NFPA-33 Standard for Spray Application using Flammable or Combustible Materials
- NFPA-86 Standard for Ovens and Furnaces
- NFPA-91 Standard for Exhaust Systems for Air Conveying of Materials
- NFPA-101 Life Safety Code
- NFPA-70 National Electric Code
- OSHA Safety and Health Standards (29 CFR 1910, 1910.107)
- IFC International Fire Code
- IBC International Building Code
- IMC International Mechanical Code
- BOCA National Fire Prevention Code; National Building Code; National Mechanical Code
- UFC Uniform Fire Code
- UBC Uniform Building Code
- UMC Uniform Mechanical Code
- SBCCI Standard Fire Prevention Code; Standard Building Code; Standard Mechanical Code



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