



PREPARATION AREAS
FOR EVERY NEED IN THE BODY SHOP
MADE IN ITALY





COMPANY

POLIN-AC

A NEW COMPANY WITH A LONG HISTORY

POLIN-AC is the result of a synergy between POLIN, a company that has been producing spray booths since 1940, and ARIA-C, an energy-conscious company which has been designing and producing ventilation and heating system for the automotive refinishing sector since 2005.



A GREAT
ORGANISATION
WITH THE MOST
MODERN
PRODUCTION
FACILITIES



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPAISCHES KOMITEE FÜR NORMUNG



PRODUCTION TECHNOLOGY:
INVESTMENTS IN SOPHISTICATED PRODUCTION TECHNOLOGY,
AUTOMATIC LINES AND ROBOTIZED STATIONS, HAVE ALWAYS BEEN
CONSIDERED A KEY PRIORITY NOT ONLY TO ACCELERATE THE ENTIRE
PRODUCTION PROCESS, BUT ALSO TO GUARANTEE CONSTANT
OVERALL PRODUCT QUALITY CONTROL.



Polin has long been a key reference on the domestic and international markets, appreciated for the high level of quality, innovation and technology that can be found in its spray booths. A blend of experience, professionalism and know-how are at the core of the new company POLIN-AC, which aims at offering innovative solutions while meeting the specific needs of every customer and market.

Continuous investment in technological innovation allowed POLIN to present AIRFORCE, the company's leading model for technology and aesthetic, to the worldwide market in 2014.

With its flexibility and dynamism, recognised and appreciated by the market, ARIA-C has entered this context with its extensive range of high-performance systems aimed at low energy consumption.

The goal of the new company POLIN-AC is to offer energy saving quality products, technologically advanced, designed and created entirely in Italy.


AIRZONE
DYNAMIC AREA

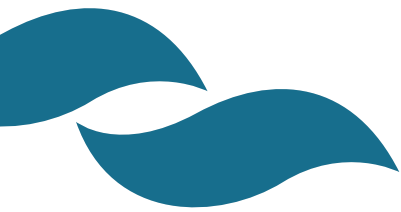

POLIN

AIRZONE

AC


AIRZONE
DYNAMIC AREA

WORK AS YOU WANT



PREP ZONE LINE

PREP ZONE

THE BEST TECHNOLOGY FOR THE PREPARATION AREA

IDEAL FOR PREPARATION AND SANDING

The AirZone - Prep Area is the ideal solution for bodyshops in need of an area where to carry out preparation and sanding operations.

Designed to guarantee high performance with minimum consumption, it is available in a wide range of solutions to meet every space and work organization need.

The touch screen control panel, intuitive and easy to use, simplifies all the control operations of the area.



PREP ZONE. **THE ADVANTAGES**

1

PERFECT FOR YOUR SPACE

It easily adapts to the available space in every body shop due, thanks to the reduced height of its raised metal basements and to the possibility of positioning the heating systems outdoors.

2

CUSTOMIZED CONFIGURATION

Solutions are tailor made according to specific customer requests.

3

YOU WILL HAVE STATE-OF-THE-ART TECHNOLOGY

Software and control system of the latest generation. Wide choice of the most advanced heating and ventilating units, so as to meet any need.

4

REDUCED FUEL CONSUMPTION WITH DIRECT FIRED GAS BURNER

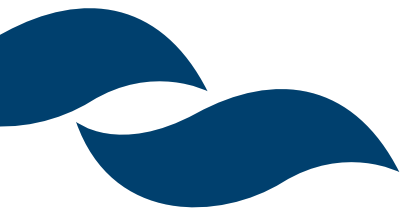
The heating system with direct fired burner ensures 100% combustion efficiency.

5

THE ADVANTAGE OF INVERTER TECHNOLOGY

Increased motor efficiency is used in the ventilation system: Impeller r.p.m. varies according to specific job requirements, thereby avoiding maximum power absorption when not necessary.





DYNAMIC ZONE LINE

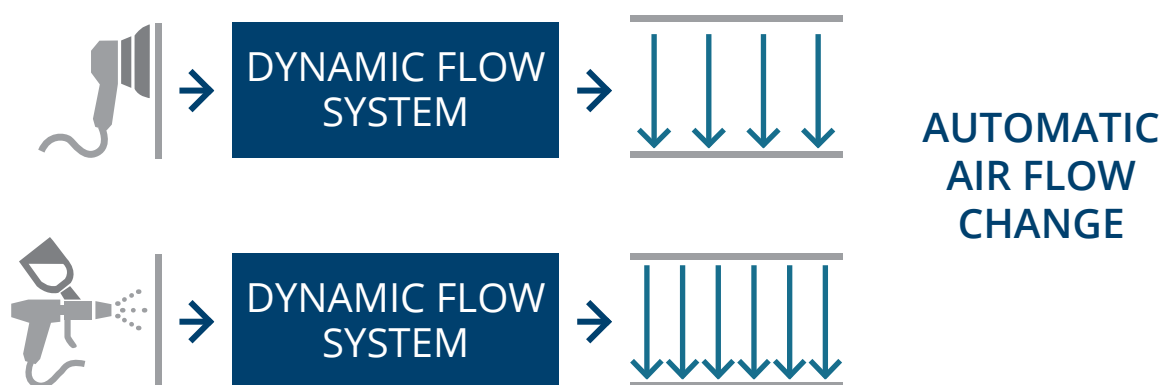
DYNAMIC ZONE MULTIFUNCTIONAL ZONE WITH AUTOMATIC TRANSMISSION

IT ADAPTS TO YOUR WORK IN AN INTELLIGENT WAY

AirZone - Dynamic Prep Area, is the zone that adapts automatically and intelligently to the type of job that the operator is performing: sanding, priming or refinishing for smart repairs.

EXCLUSIVE SYSTEM DYNAMIC FLOW

Dynamic Flow is an innovative system that automatically adjusts the air flow according to the type of work that the operator is performing. It is designed so as to facilitate the operator's work as much as possible and minimise energy consumption.



DYNAMIC ZONE. **THE ADVANTAGES**

ALL THE ADVANTAGES OF THE **PREP ZONE**



1

LESS ELECTRIC POWER REQUIRED

Energy optimization allows for less use of electric power and fewer electrical connections to the power supply line.

2

AUTOMATIC AIR SPEED CONTROL

Automatic activation of the air speed based on the type of job that is being carried out.

3

OPTIMIZED WORK STATIONS

The work bay can be used for all operations such as sanding, priming and refinishing.

4

REMOTE CONTROLS ON EACH WORK BAY

Each bay is equipped with remote controls to facilitate all operations and save precious production time.

5

MAXIMUM EASE OF USE

Very simple to operate even for inexperienced operators: Dynamic Zone automatically adjusts the air flow according to the type of work performed.

OPTIONAL

6

REMOTE SUPERVISION

The zone can be monitored at a distance, by remote.

7

SCHEDULED MAINTENANCE

The system manages the possibility of signalling scheduled maintenance deadlines based on the operating parameters.

FEATURES AND ACCESSORIES



PLENUM WITH EASY-TO-REPLACE FILTERS

The ceiling filters of the zone always guarantee a perfectly cleaned airflow. Filter replacement can be carried out easily by a single operator thanks to the hook-and-groove hinged frame locking system.



INFRARED OVERHEAD CURING SYSTEM

Applicable with a sturdy load bearing structure fitted with overhead aluminium rails, the infrared curing system ensures maximum efficiency with minimum space requirements.



LIGHTING SYSTEM WITH FLUORESCENT OR LED LIGHT TUBES

The reflectors have a large reflecting surface and are available with a choice of fluorescent or LED light tubes.



HYDRAULIC LIFT TO FACILITATE WORK

The lift allows an optimal working condition by allowing the operator to work in an ergonomically correct position.



STORAGE CABINETS

The possibility of having cabinets helps keep the work area tidy and well organised, allowing the operator to always find the tools needed to work efficiently.



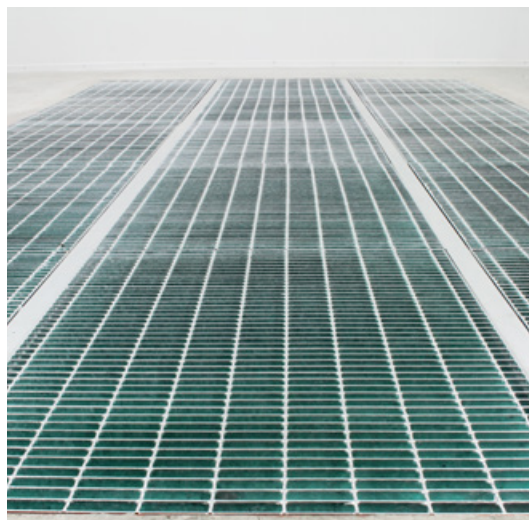
DUST SUCTION MODULES

Useful for organized power and air distribution in the work area. The modules can be wall recessed or positioned in a corner, depending on the configuration of the area.



CONTAINMENT CURTAINS

AirZone can be equipped with internal and external containment curtains, which are automated and easy to operate.



GALVANISED FLOOR GRIDS

The floor grids are sturdy and galvanized. The load capacity can be chosen according to customer's needs.



FEATURES AND ACCESSORIES

LED SHIELD SYSTEM

THE CURTAIN THAT BRIGHTENS UP YOUR WORK AREA

AirZone prep areas can be equipped with motorized roll-up curtains, fitted with LED lights, making it is possible to properly illuminate even the lowest parts of a vehicle.



CONTROL SIMPLE, FAST, AUTOMATIC

AZ PLUS

Operator interface control panel with soft-touch membrane keyboard allows for the complete control of all functions so as to facilitate and optimize the production flow and the work of the operator. Provided with a software package completely developed by POLIN-AC, it facilitates the control of all work phases, indicating time, temperature and signalling eventual malfunctions. Ergonomic design and the user-friendly symbols make it immediately easy to use.



AZ TOUCH

AZ Touch is the control panel with 7" colour Touch-Screen operator interface. The touch screen is equipped with an easy and intuitive advanced software which gives the operator the possibility to manage all the functions that control the zone in each single working phase. AZ Touch also allows the operator to plan filter replacement and optimize energy consumption thanks to pre-set programs that can be customized by the operator.





AIRTHERM

The computerized version of control panel for the complete control of Airzone, with 10" colour Touch-Screen operator interface. The AIRTHERM software is the most sophisticated and allows for the programming of each work cycle by precisely choosing each parameter so as to obtain the best curing procedure of flash off, baking and cooling according to the paint used. AIRTHERM allows all Client Supervision functions to be managed locally or remotely.

FUNCTIONS

	AZ Elektro	AZ Plus	AZ Touch	Airtherm
Suitable for PREP ZONE	✓	✓	✓	✓
Suitable for DYNAMIC ZONE	-	-	✓	✓
Intake and extraction motors equipped with inverter	○	○	○	✓
Energy saving mode (ECO)	-	○	○	✓
Heating control	-	✓	✓	✓
Semi-automatic pressure regulation	○	○	✓	✓
Slow Mo Adjustment of air flow for paint gun use	-	-	✓	✓
Controls in the work bay	-	-	○	○
Human machine interface (HMI)	buttons	soft	7"	10"
HFO - Hot Flash Off function for water-based paints	-	✓	✓	✓
Remote Support	-	○	○	✓
Possibility to send e-mails (alarms, consumption reports, ...)	-	-	-	✓
Client Supervision	-	○	○	✓
Ordinary maintenance management	-	-	○	✓

✓ STANDARD ○ OPTIONAL - NOT AVAILABLE



CREATE YOUR ZONE.

ALL THE ELEMENTS TO BE COMBINED AS YOU PREFER

ZONE

Control panel recessed in corner pillar
Dimensions of 500 mm thick pre-painted modular panels
40 mm thick 1m. modular polyurethane wall panels
60 mm thick 500mm modular rock wool wall panels
Manually operated sliding curtains on rails
Motorized roll up curtains
Service door
External ceiling light fixtures
Recessed ceiling light fixtures
Self-supporting structure on pillars
Self-supporting structure with AIRZONE frontal panels
Vertical light fixtures recessed in wall panels
Partial filtering plenum with easy service ceiling filter frames
Total filtering plenum with easy service ceiling filter frames
Partially or fully gridded floor over concrete pit
Raised metal base fully gridded floor
ZRB lowered metal base fully gridded floor
Entry ramp (internal fixed, internal mobile, external)
BGA wall suction box with filter

AIR EXTRACTION SYSTEM

High prevalence air extractor
Multi-zone high prevalence air extractor
Multi-zone air distribution dampers
Air extraction adjustment dampers
By-pass dampers for partial air recycling
Activated carbon filtration

AIR INLET SYSTEM

High prevalence inlet air generator
Multi-zone high-prevalence inlet air generator
Multizone air distribution dampers
Air recycling system for drying

HEATING SYSTEM

	PREP ZONE	DYNAMIC ZONE
Direct fired gas burner	-	✓
Stainless steel combustion chamber with 4 smoke revolutions	-	✓
Hot water or steam heat exchanger	-	✓
Electric battery	-	✓
Cross-flow or rotating heat recovery unit	-	✓

CONTROL PANELS

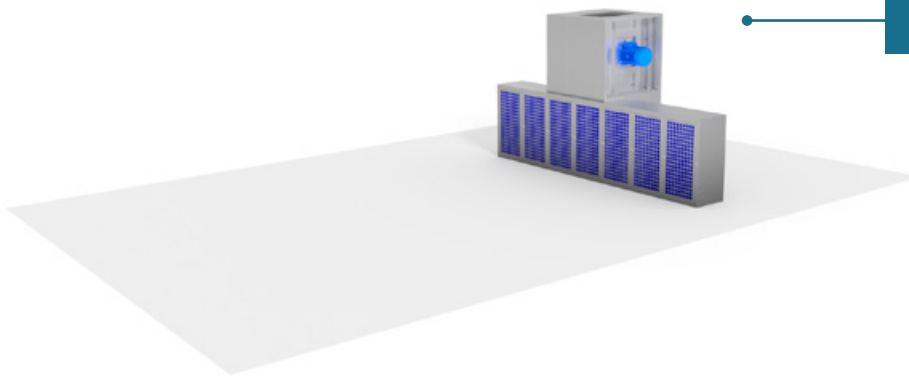
AZ Elektro	✓	✓
AZ Plus	✓	✓
AZ Touch	-	✓
AZ Airtherm	-	✓
IN COMPLIANCE WITH EN 16985	-	✓

✓ AVAILABLE

- NOT AVAILABLE

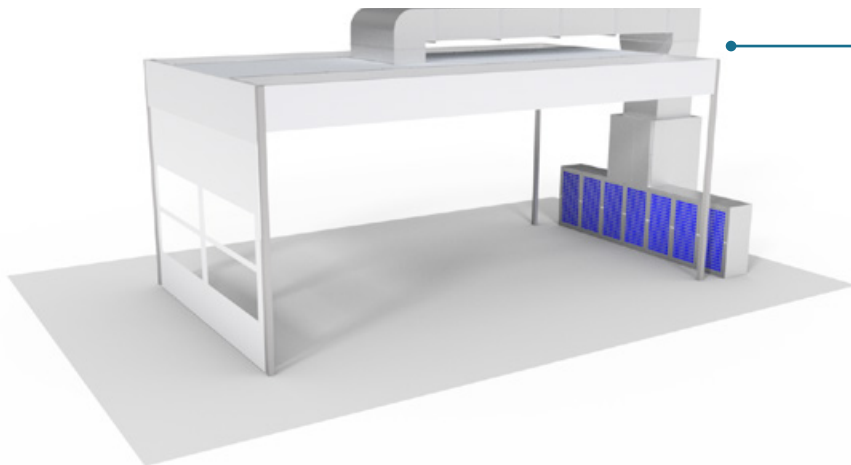
PREP ZONE SOLUTION - EXAMPLES

Following are ideas for the configuration of a Prep Zone line: there are many possible combinations so as to allow for hundreds of solutions to meet the needs of every type of bodyshop or industry.



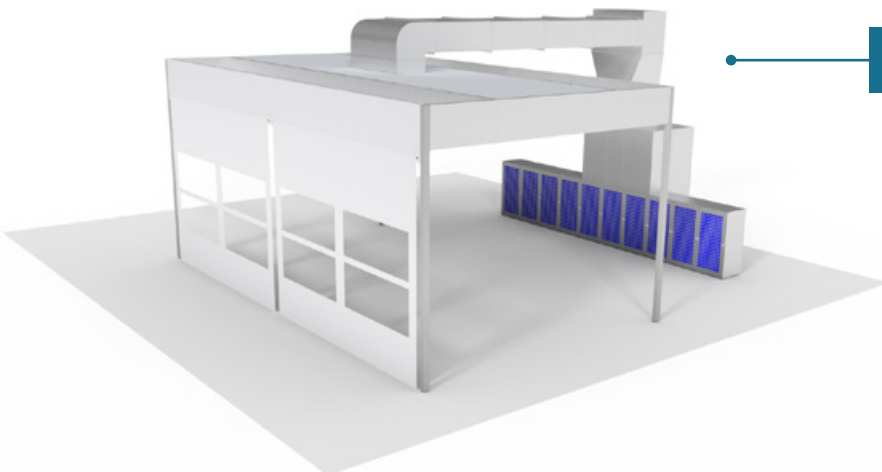
SOLUTION PREP 1

- BGA wall type air suction and filtration box
- Air extractor with high prevalence impeller



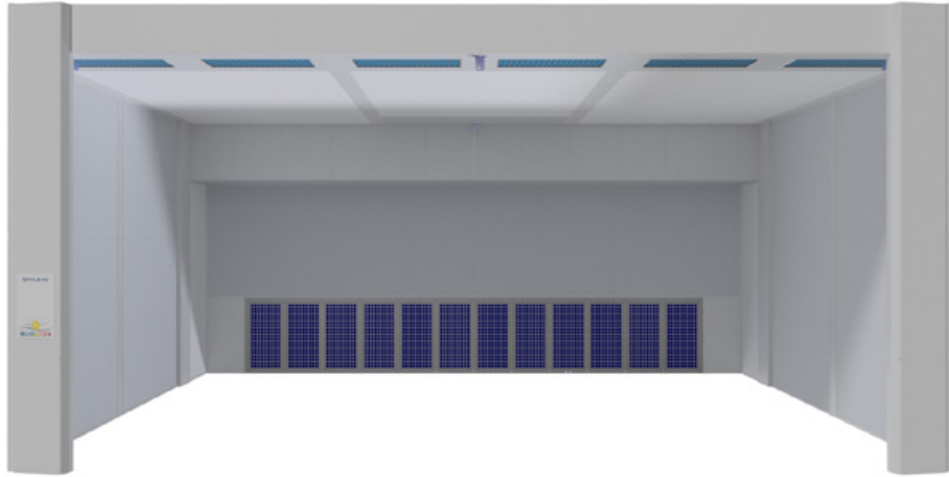
SOLUTION PREP 2

- Sliding or roll up curtains
- Recessed ceiling light fixtures
- Self-supporting structure on pillars
- Total filtering plenum with easy service ceiling filter frames
- BGA wall type air suction and filtration box
- Air extractor with high prevalence impeller
- By-pass damper for partial air recycling
- Single bay work area



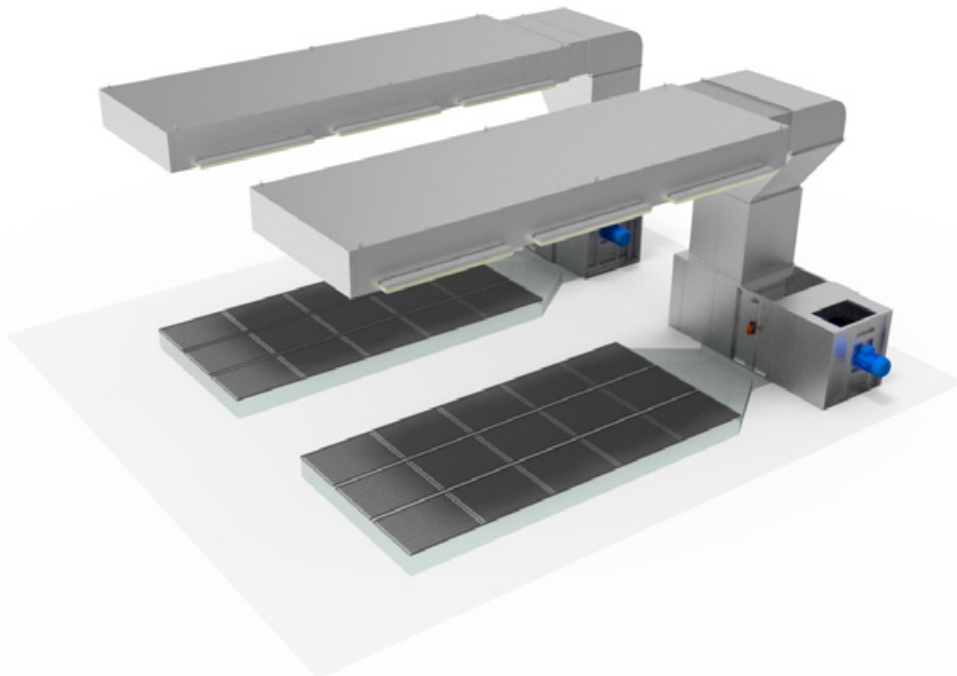
SOLUTION PREP 3

- Sliding or roll up curtains
- Recessed ceiling light fixtures
- Self-supporting structure on pillars
- Partial filtering plenum with easy service ceiling filter frames
- BGA wall type air suction and filtration box
- Air extractor with high prevalence impeller
- By-pass damper for partial air recycling
- Double bay work area



SOLUTION PREP 4

- Control panel recessed in corner pillar
- 40 mm thick 1m. modular polyurethane wall panels
- External ceiling light fixtures
- BGA wall type air suction and filtration box
- Partial filtering plenum with easy service ceiling filter frames
- High prevalence air extractor
- Air extractor with high prevalence impeller
- By-pass damper for partial air recycling

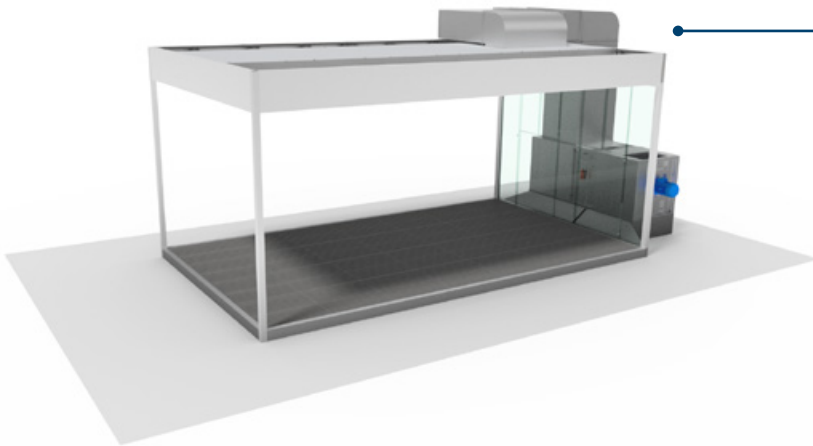


SOLUTION PREP 5

- External ceiling light fixtures
- Concrete pit floor
- High prevalence air extractor
- Air extractor with high prevalence impeller
- Motorised damper for air exhaust/ recycling operating modes

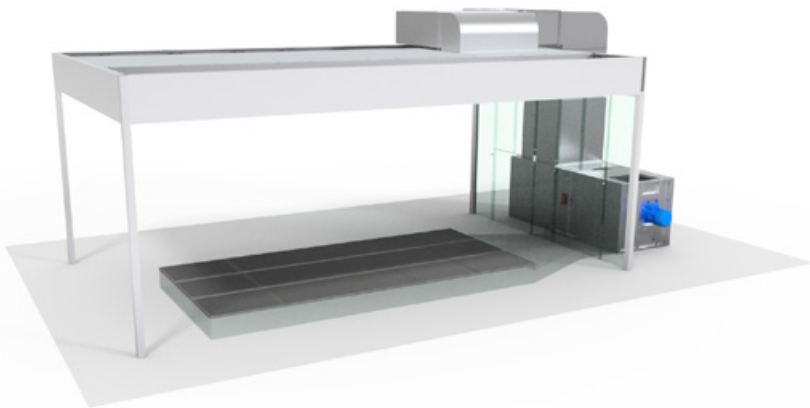
DYNAMIC ZONE SOLUTION - EXAMPLES

More than 100 possible solutions to increase productivity with a multifunctional preparation area. Heating systems available: direct fired gas burner, diesel, hot water, electric.



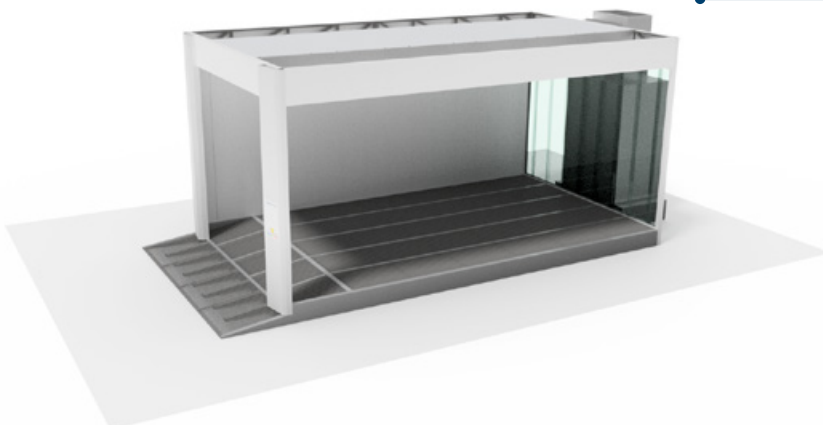
SOLUTION DYNAMIC 1

- Recessed ceiling light fixtures
- Self-supporting structure on pillars
- Total filtering plenum with easy service ceiling filter frames
- ZRB lowered metal base fully gridded floor
- Air extractor with high prevalence impeller
- Air extraction adjustment dampers
- Air inlet generator with high prevalence impeller
- Air recycling system for baking mode



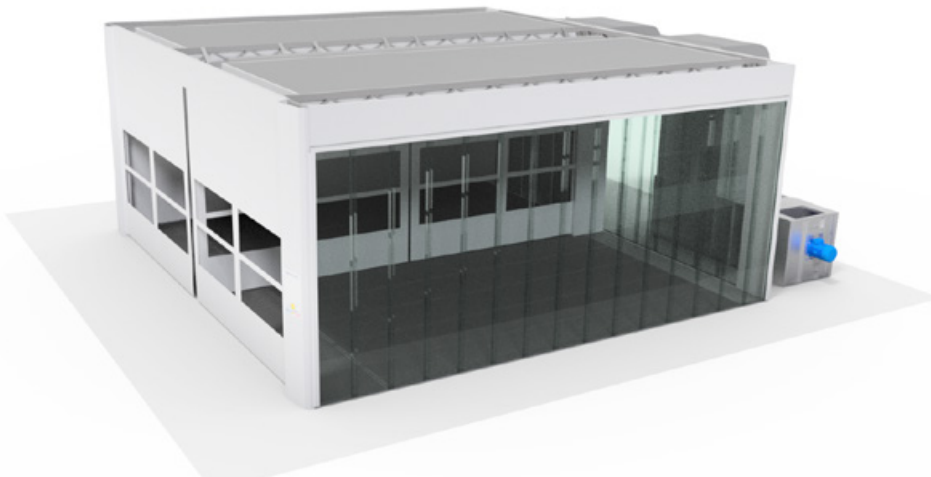
SOLUTION DYNAMIC 2

- Recessed ceiling light fixtures
- Self-supporting structure on pillars
- Total filtering plenum with easy service ceiling filter frames
- Partially gridded floor over concrete pit
- Air extractor with high prevalence impeller
- Air extraction adjustment dampers
- Air inlet generator with high prevalence impeller
- Air recycling system for baking mode



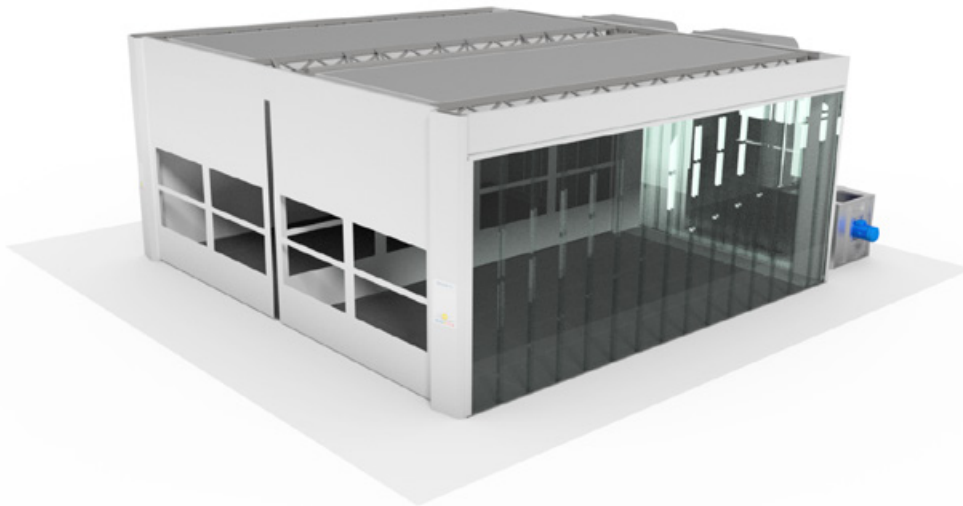
SOLUTION DYNAMIC 3

- Control panel recessed in corner pillar
- 60 mm thick 500mm modular rock wool wall panels
- Recessed ceiling light fixtures
- Self-supporting structure on pillars, with AIRZONE frontal
- Total filtering plenum with easy service ceiling filter frames
- Metal base fully gridded floor
- Entry ramp
- Air extractor with high prevalence impeller
- Motorised damper for air exhaust/recycling operating modes
- Activated carbon filtration



SOLUTION DYNAMIC 4

- Control panel recessed in corner pillar
- 60 mm thick 500mm modular rock wool wall panels
- Motorised roll-up curtains
- Recessed ceiling light fixtures
- Self-supporting structure on pillars, with AIRZONE frontal
- Double filtering plenum with easy service ceiling filter frames
- Fully gridded floor over concrete pits
- Single combi air handling unit with motorised dampers for selection of operation in bay 1 or bay 2
- Air extractor with high prevalence impeller
- Motorised damper for air exhaust/ recycling operating modes
- Air inlet generator with high prevalence impeller
- Air recycling system for baking mode



SOLUTION DYNAMIC 5

- Control panel recessed in corner pillar
- 60 mm thick 500mm modular rock wool wall panels
- Motorised roll-up curtains
- Recessed ceiling light fixtures
- Self-supporting structure on pillars, with AIRZONE frontal
- Double filtering plenum with easy service ceiling filter frames
- Fully gridded floor over concrete pits
- Separate combi air handling units, one per each work bay
- Air extractor with high prevalence impeller
- Motorised damper for air exhaust/ recycling operating modes
- Air inlet generator with high prevalence impeller
- Air recycling system for baking mode

The leader in the production of spray painting booths and preparation areas

Since 1935 we have been designing and manufacturing spray booths and preparation areas equipped with heating systems and air generators for automotive refinishing and industrial applications.

Our company has a long history made of passion, constant technologic innovation and growth which have brought us to become trend setters on a worldwide scale.

Our aim is to constantly offer our clients a top quality product designed so as to respond with excellence to the most specific requests.



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