

AluBooth



Passion
for BODYSHOPS
TECHNOLOGY
PROCESS and
LAYOUT



ALUBOOTH

The AluBooth is a highly-advanced aluminum processing cabin. In addition to ensuring perfect aluminum processing with no risk of contamination, it also guarantees a safe and healthy work environment for the operator.

This is due to the fact that the ventilation runs throughout the entire work cycle, immediately extracting the gas generated by the cutting of aluminum and welding operations. This occurs before it can mix with the environment.

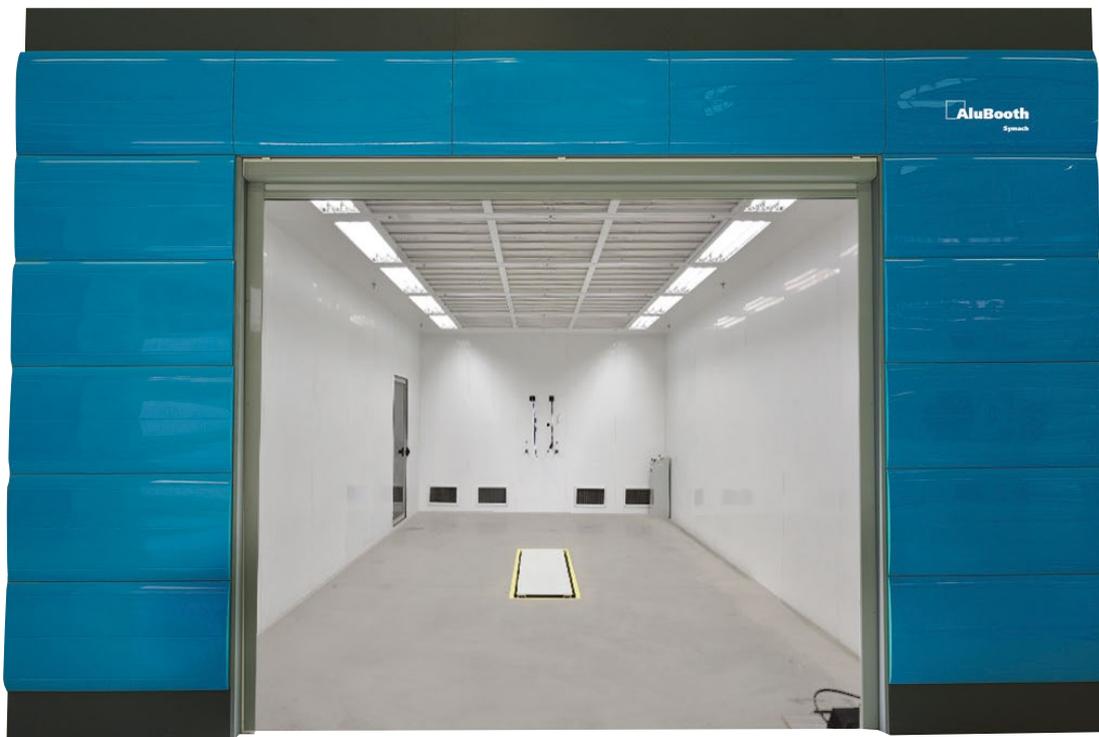
The AluBooth's fan unit, which is installed in front outside the cabin, has two openings connected directly to the inside of the booth with special filters for aluminum gas. The inlet air comes inside the booth from a filter situated on the ceiling.

The AluBooth is available in two versions, which include a length 8 meters (or 26.25 feet) and 9 meters (or 29.53 feet).

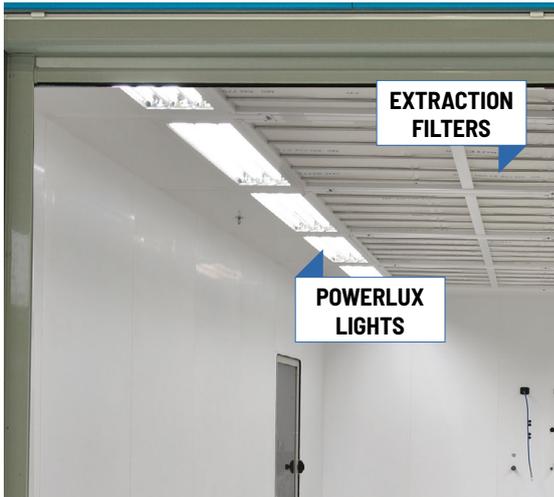
The PowerLight system, developed by Symach, guarantees an impressive light on the vehicle. The vehicle entrance door has an electric curtain in PVC, white and transparent color; the side emergency door has a steel frame and a tempered glass door.

The AluBooth has the MultiBox in the middle of the front wall with the fixture for air and retractable electric and plugs.

The AluBooth external cladding is comprised of ABS (CoverTop) panels in eight different colors. The cabin's inner cladding is made of white metal sheet with powder coating.



CEILING AND LIGHTS



The ceiling frame is a welded tubular structure to support the filter and the lights.

The AluBooth has 36 PowerLux lights (with 12 panels, each one has three PowerLux). The innovative lamp was developed by Symach's research department and offers superior lighting performance. PowerLux has a new and exclusive reflector that focuses the light beam with an angle that covers the vehicle from the roof to the vertical bottom side without any dispersion. This new light reaches a quality and power superior to other lights on the market, both on the vertical side of the vehicle as well on the horizontal side.

DOOR



The AluBooth has a main door size of 3 x H 2,7 m or 9.84 x H 8.85 ft. It opens and closes with an electric transparent PVC curtain.

MECHANIC

The AluBooth has a ventilation outlet with a fan of 20,000 cubic meters per hour or 705,000 CFM. The inlet air is from the filter situated in the ceiling taking air from inside the warehouse.

CONFIGURATION



The AluBooth is available in two different lengths: 8 m or 26.25 ft and 9 m or 29.53 ft. The height is 3 m or 9.84 ft and the width is 5 m or 16.4 ft.

WALL FRAME



The AluBooth side panel is a tubular-welded frame and inside the booth there is a painted powder coated metal sheet. On the external side there is the (CoverTop) an ABS plastic panel available in eight different colors.

COVER TOP



The outer covering of the AluBooth consists of CoverTop panels, made of ABS injection plastic mold, which can be opened and closed. This allows the installation of the electric or compressed air plant inside the wall.

ALUBOOTH TECHNICAL DATA

MEASURES AND DATA

Outside basement length	9,10 m	29.8 ft
Inside basement length	9,00 m	29.5 ft
Outside basement width	5,10 m	16.5 ft
Inside basement width	5,00 m	16.4 ft
Outside basement height	3,20 m	10.4 ft
Inside basement height	2,90 m	9.51 ft
Weight	2.000 kg	4,409 lb
Standard warranty	12 months	

FRONT DOOR

Front door width	3,00 m	9.84 ft
Front door height	2,70 m	8.85 ft
Closure	sliding curtain	

EMERGENCY DOOR

Emergency door width	1,00 m	3.2 ft
Emergency door height	2,10 m	6.8 ft
Emergency door thickness	5 cm	1.95 "

CONTROL BOX

Power installed included accessories	10 Kw
Voltage	400 V~ - 230 V~
Frequency	50 / 60 Hz

APPROVAL

Europe	UE:CE ATEX II 3D ISO 9001
--------	------------------------------



EXTRACTION UNIT

Air flow rate	2.000 / 2.500 m ³ /h	1,177 / 1,471 CFM
Duct size	400 x 300 mm	15 x 11"
Flange dimensions duct	400 x 300 mm	15 x 11"
Maximum flow rate	3.000 m ³ /h	1,765 CFM
Power rating	2,2 Kw	7.5 BTU/h

EXTRACTION FILTER

Size filtering cells in glass microfiber	592 x 592 x 48 mm	23 x 23 x 1.8 "
No. of cells	6	
Average contact time	0,25 sec	

LIGHTS

Installed power light in	1,944 kW
Chromatic yield index	0,93 Ra
Light flow of lamp	EL 35 °C 4.300 Lm
Voltage	230 V~
Color type	daylight color
No. of PowerLux	12x(36 neon)
Estimated life	24.000 hours
Frequency	50 / 60 Hz
Color temperature	5.200 °K
Mean lighting	1.000 Lux

OPTIONAL

MultiBox

The AluBooth has a MultiBox with electric plugs and one retractable air and one electric

Reel winder with compressed air hose	10 m	32.8 ft
Reel winder with electrical wire	10 m	32.8ft
Power outlet	400 V (3 Ph)	
Power outlet	200 V	

Symach

SOLUTIONS FOR COLLISION INDUSTRY

Via Bazzane 69, 40012 Calderara di Reno (BO), Italy
info@symach.com - ph: +39 (0)51 96 31 61



www.symach.com