



PrepTron



Passion
for BODYSHOPS
TECHNOLOGY
PROCESS and
LAYOUT



PREPTRON

The PrepTron is a preparation zone with the extraction from the basement floor and the inlet air from the plenum.

The PrepTron is self-managed from the computer. It automatically recognizes the painting phases and changes the program, using maximum speed of ventilation for spraying phases; average speed for drying when used with the Flydry robot; and minimum air speed for climatization during the masking and cleaning phases. The painter never has to push any buttons.

The advantage with this self-working program is that the energy is only used for the spraying phase, without costing more than what is necessary.

In the back of the PrepTron, there are two fans for the inlet and outlet air ventilation. There is also an automatic air compressed connection for spraying paint, which is linked to the computer.

The four-level floor is unique to Symach and guarantees a perfect, homogenous and balanced airflow even when the floor's filters are dirty.

The PrepTron is available in two configurations based on length and height variables: length of 8 meters (26.24 feet) or 9 meters (29.52 feet), and height of 2,7 meters (8.85 feet) or 3,2 meters (10.49 feet).

The PrepTron can be equipped with three curtains that close automatically during the spraying phase.

The PrepTron can be equipped with the Solarys heating system using Drytronic technology. This heating system is unique and patented by Symach.



CONFIGURATION



The PrepTron is available in:

- two different lengths: 8 m or 26.24 ft and 9 m or 29.52 ft, and
- two different heights: 2,7 m or 8.85 ft or 3,2 m or 10.49 ft.

COMPUTER



The computer automatically manages three different programs: spraying paint, drying with the Flydry robot and climatization. The last one works only when the Solaris heating system is installed. The computer does not require an operator and can select and push buttons as well as automatically balance the speed of ventilation when the filters are dirty.

PLENUM



The plenum is a welded tubular frame that supports the air ventilation channel and the filters. It is divided into boxes that are easy to open to change the filters.

BASEMENT



The basement is 50 cm or 20" deep and the standard grids support a weight of 850 kg or 1,870 lb per point of 10" x 10".

MECHANIC

The PrepTron has an outlet and inlet ventilation with two fans of 20.000 m³ per hour or 11,800 CFM.

PREPTRON TECHNICAL DATA

MEASURES AND DATA

BaseTron code	2220	
Outside length	9,00 m	29.5 ft
Base length	7,60 m	24.9 ft
Base width	3,20 m	10.4 ft
Air handling unit width	2,0 m	6.5 ft
Air handling unit depth	1,3 m	4.2 ft
Air handling unit height	2,3 m	7.5 ft
Weight	1.200 kg	2,645 lb
Maximum solvent quantity	8.400 g/h	18.5 lb/h
Air speed	0,3 m/sec	0.98 ft/sec
Paint application method	manual	
Painting air temperature	ambient	
Time for installation	h 80	
Standard warranty	12 months	

CONTROL BOX

Program controls	sanding - painting
Installed power	3 kW
Supply voltage	400 V ⁻ - 230 V ⁻
Frequency	50 / 60 Hz
Controls voltage:	24 V ⁻

APPROVAL

Europe	EU: CE - ATEX II 3 G X
Australia	Compliant to Australian safety standards AS/NZS 4114.1:2003 - AS 3814.1:2009
North America	cETLus Listed - Intertek 5000803 ISO 9001



AIR UNIT EXTRACTION

Outlet diameter of axial suction ventilator	ø 800 mm	ø 20"
Max flow rate	2.400 m ³ /h	
Motor power supply	3 x 380 V ⁻ - 480V ⁻ / 60 Hz	
Motor rated power	2.8 kW	
Duct	ø 850 mm	ø 33.4"

AIR FILTERS

Paint stop filters	50 mm	1.96 ft
--------------------	-------	---------

GRID FLOOR SPECIFICATIONS

Grid (LxWxH)	66 x 33 x 40 mm	2.5 x 1.4 x 1.5"
CarMover	pz. 5 x 4 m	pz 5 x 13.1 ft
Load capacity	800 Kg footprints	1,763 lb footprints
Base length	7,60 m	24.9 ft
Base width	3,20 m	10.4 ft

PIT

Building works width	3,10 m	10.1 ft
Building works length	8,875 m	29.1 ft
Building works depth	0,69 m	2.26 ft

OPTIONAL

Heating system

To warm up the air, the PrepTron uses the Solarys heating system, patented by Symach. It uses the same technology as the Drytronic radiant panels, but it is installed inside the plenum.

Curtains

The PrepTron can be equipped with curtains on the sides and front that open and close automatically during the spraying phase.

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