



WheelStation



Passion
for BODYSHOPS
TECHNOLOGY
PROCESS and
LAYOUT



WHEELSTATION

The WheelStation (WS) is a workstation for repairing wheels. It occupies two working spaces connected with a circular rail; one is for sanding and spraying and the other is for baking paint products.

The working space for painting and sanding has the air extraction vertically in front. Because of this, the technician can properly apply body filler and spray primer, waterborne and clear paint, without any problem from the overspray because a filter and an air extraction fan removes it during the spraying phase.

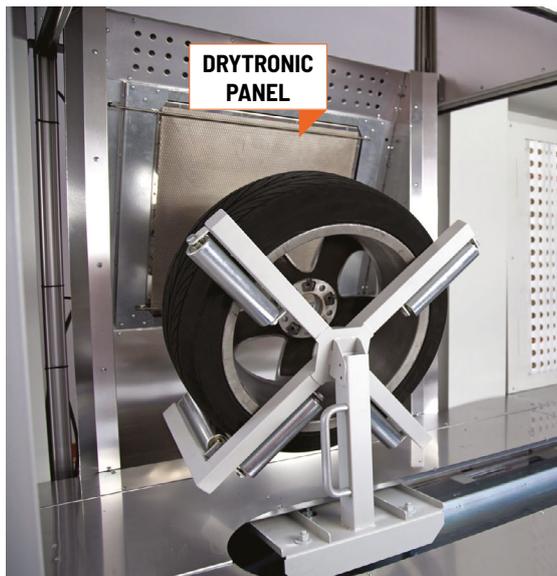
The oven for baking paint uses Drytronic technology so the time to dry a painted wheel is only five to seven minutes.

The WS has two stands for the wheels that both move on a circular rail system. This connects the oven to the workspace, allowing a technician to push the wheel on the rail with a limited effort.

The drying process can be programmed with a preset time and a different temperature for body filler, undercoat, water base and clear lacquer, and the machine automatically dries and checks the temperature setting.



DRYING PERFORMANCE



The oven of the WheelStation uses DryTronic technology for drying.

Drying times are approximately:

- 4 to 5 minutes for body filler and primer,
- 2 to 3 minutes for waterborne, and
- 6 to 7 minutes for clear.

COMPUTER



The WheelStation's computer automatically manages the drying treatment, controlling the time and temperature set.

CONFIGURATION



The WS can repair wheels with tires installed for a total diameter of 1 mt or 3.2 ft. The dimension of the WS is: H 3 x 3,5 x 1,3 m or H 9.84 x 11.48 x 4.26 ft.

The WS has two stands for wheels and a circular rail system that moves the stands from the workspace to the oven and vice versa.

MECHANIC



The WS has the air extraction ventilation for spraying paint with an air fan of 10,000 m³ per hour or 350,000 CFM.

It also has air fans in the oven for the inlet and outlet air to remove gas and solvent produced during the drying phase.



WHEELSTATION TECHNICAL DATA

MEASURES AND DATA

| | | |
|----------------------------------|-------------|---------|
| Length | 1,0 m | 3.2 ft |
| Width | 3,0 m | 9.8 ft |
| Height | 2,1 m | 6.8 ft |
| Weight | 650 kg | 2132 lb |
| Stand of wheels | 2 | |
| Sliding roller for wheel support | 4 | |
| Sliding rail | closed loop | |
| Air supply pressure | 8 Bar | 116 Psi |
| Standard warranty | 12 months | |

CONTROL BOX

| | |
|----------------------------|--------------|
| Coating process aspiration | automatic |
| Power | 3 kW |
| Voltage | 400 V (3 Ph) |
| Frequency | 50 / 60 Hz |

APPROVAL

Europe EU: CE
ISO 9001



SANDING AND SPRAYING STATION

| | | |
|-----------------------------|--------------------|--------------|
| Length | 1,00 m | 3.2 ft |
| Width | 1,30 m | 4.2 ft |
| Height | 1,20 m | 3.9 ft |
| Extraction flow rate | 4.000 m³/h | 2,354 CFM |
| Opening size | 130 x 130 cm | 51.1 x 51.1" |
| Maximum flow rate | 6.000 m³/h | 1,200 CFM |
| Motor rated power | 2,2 kW | 7.5 BTU/h |
| Efficiency | 95% | |
| Initial pressure | 140 Pa | |
| Final pressure drop | 450 Pa | |
| Reaction to fire | self-extinguishing | |
| Resistance to temperature | 120 °C | |
| Extraction channel diameter | 200 mm | 7.87" |

STATION OVEN

| | | |
|------------------------------|-----------------------|--------------|
| Length | 0,80 m | 2.6 ft |
| Width | 1,30 m | 4.2 ft |
| Damper closure | sliding | |
| Heating | catalitic / DryTronic | |
| Heating system | radiation + air | |
| Operating Temperature | 40 -140 °C | |
| Temperature adjustment | thermostat | |
| Power | LPG - Natural gas | |
| LPG consumption | 0,65 kg/h | 1,43 lb/h |
| Natural gas consumption | 1,1 m³/h | |
| Supply pressure | 20 / 25 mbar | |
| Working pressure | 12 mbar | |
| Measures DryTronic lamp | 400 x 750 mm | 15.7 x 29.5" |
| Preheating power consumption | 1,45 kW | |
| Catalystin average life | 5.000 h | |

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SOLUTIONS FOR COLLISION INDUSTRY

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