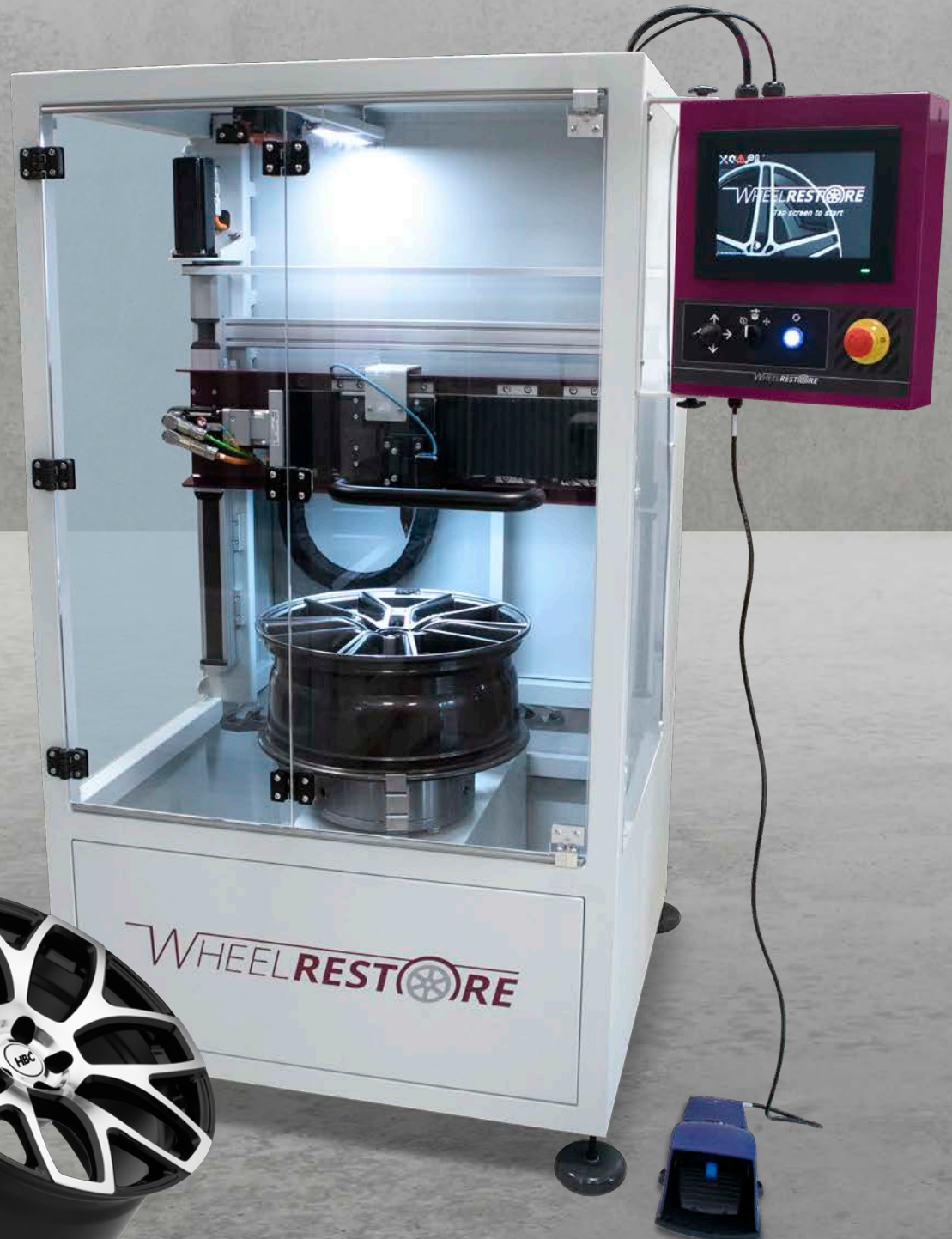


# WHEELRESTORE

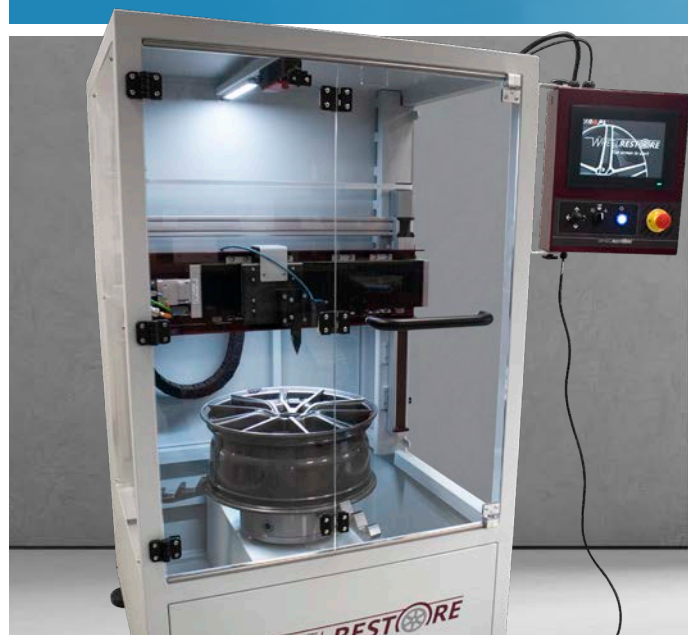
*Alloy Wheel Repair Equipment*



[wheelrestore.com](http://wheelrestore.com)

# Complete Alloy Wheel Repair Equipment Range

WHEEL RESTORE



## Diamond Cut Wheel Machine

WR-DCM3

Page 4

## Automated Wheel Paint Machine

WM-500/600

Page 10







# 360° Wheel Restoration Equipment

WHEEL RESTORE

## Alloy Wheel Blast cabinet

WM-700

Page 14



## Electro-hydraulic Wheel straightener

WM-300

Page 16



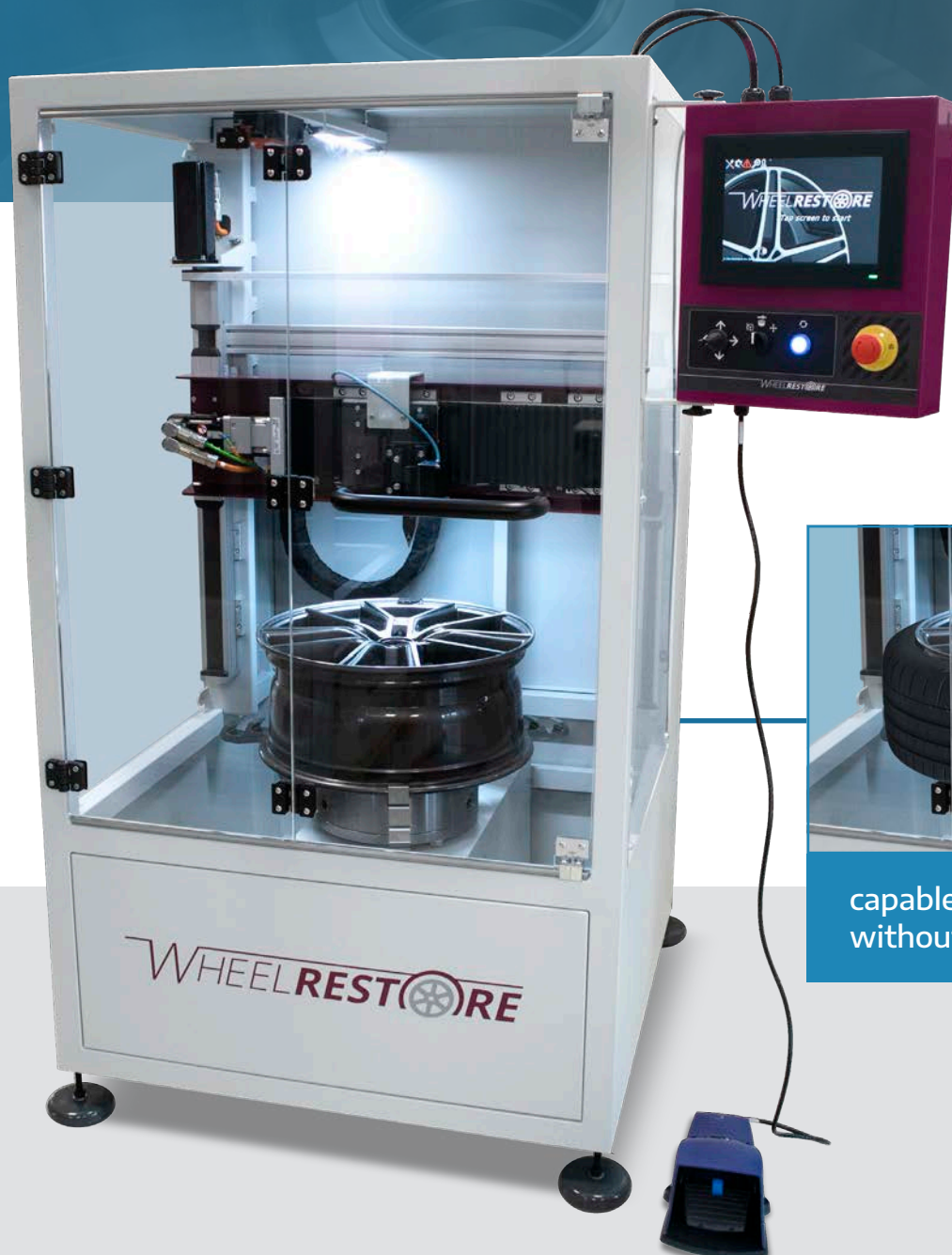
Wheel Prep,  
Spray Bays

Accessories

Page 18

# Diamond Cut Wheel Machine

WR-DCM3



capable of repairing alloys  
without removing the tyre

## Laser Probing System

Faster, more  
precise wheel  
shape analysis





# The Smarter Way To Restore Diamond Cut Alloys

Introducing the **WR-DCM3** from Wheel Restore

- » Restores diamond cut wheels up to 30"
- » Touch screen display
- » Step by step software
- » Automated LASER probe system
- » With or without tyre
- » Safety operating door
- » Training & technical support
- » CE compliant



Before // After

# Diamond Cut Wheel Machine

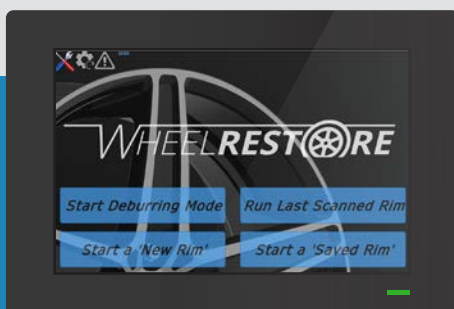
The Brain of WR-DCM3 is a tailor-made piece of software; 100% designed and engineered in Denmark.



The software is visualized with clear icons to ensure the machine is always safe and extremely easy to operate. The software is developed to repair wheels, that's it!



- » Simple process guides, step by step
- » Touch screen operation panel
- » Operator mistakes reduced
- » A minimum of training is required







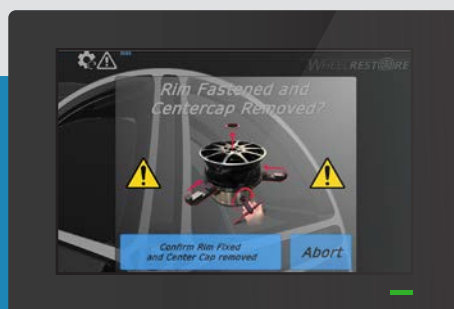
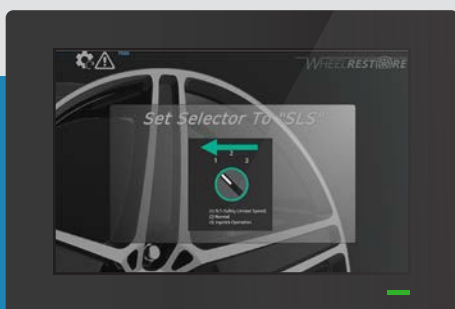
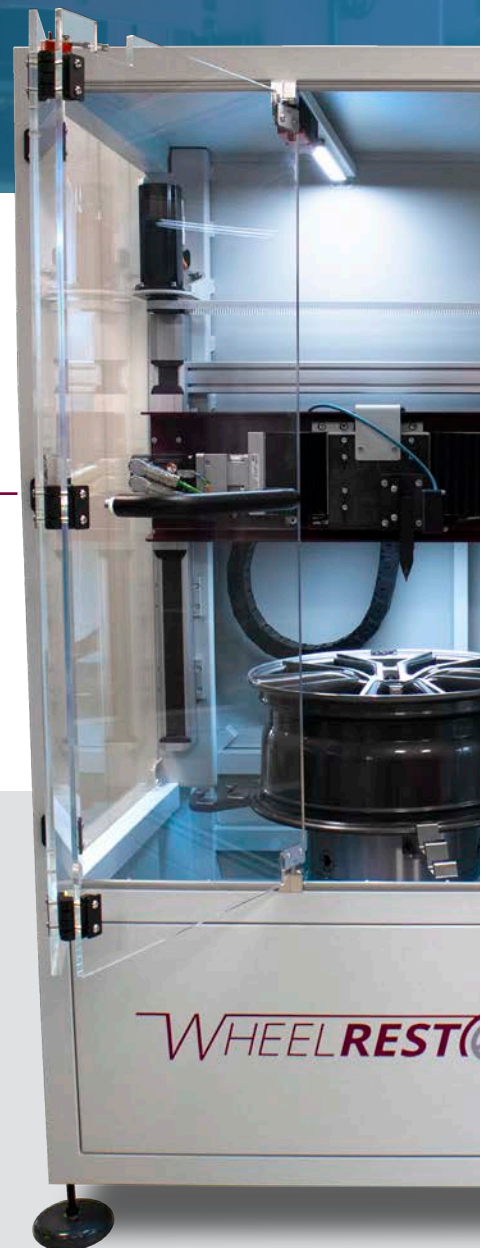
**Purpose-built for  
wheel restoration,  
Nothing else!**

**The WR-DCM3 has been designed  
from the ground up to be a refinishing  
machine for damaged alloy wheels.**

It produces a better finish than standard larger CNC lathe machines while being much faster and a lot smaller. Leaving you with better turnaround time and more workshop space.

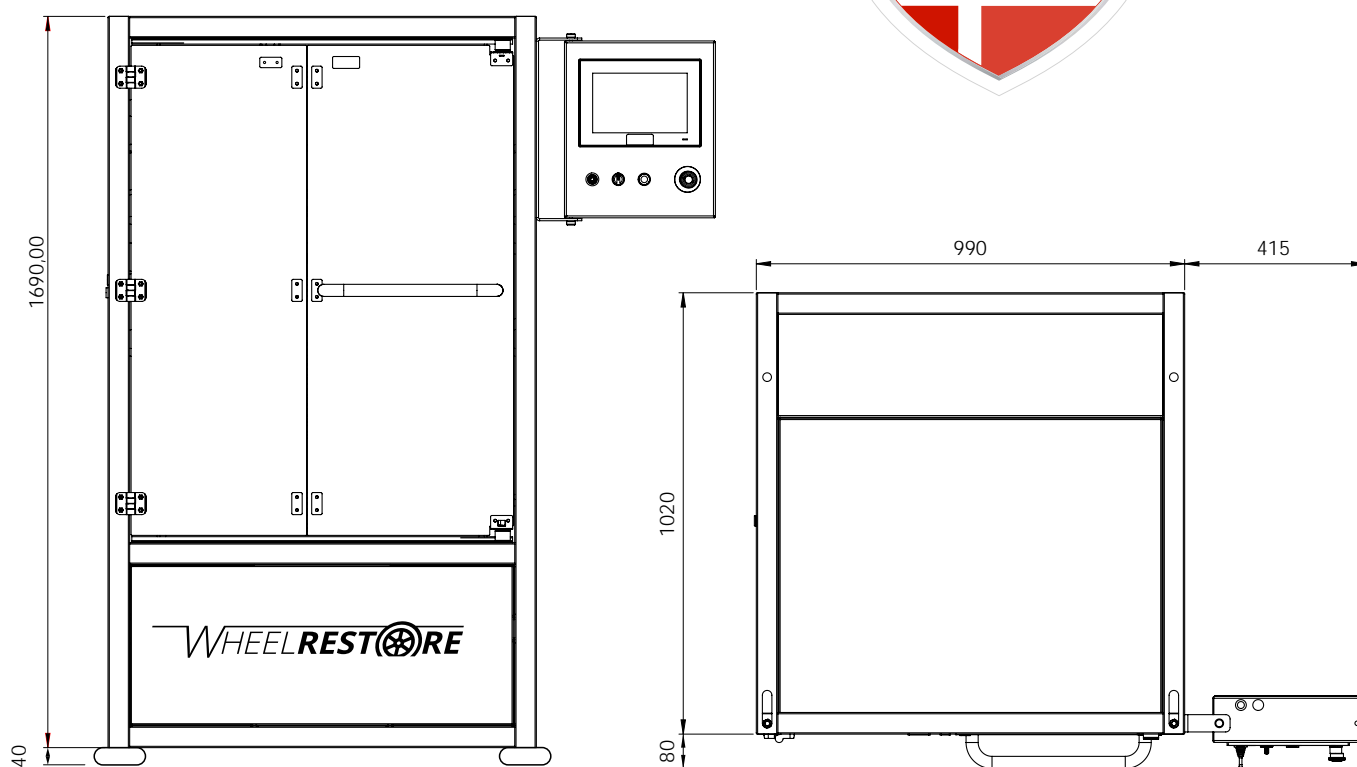
## Compact Design

The WR-DCM3 is custom designed for alloy repair. Equivalent machines are often converted CNC lathes with basic and often complicated user software. Whereas the WR-DCM3 is light enough to be installed in the back of a van or a truck.



# Diamond Cut Wheel Machine

## WR-DCM3



Light enough to be installed  
in the back of a van



Runs off a single-phase socket  
allowing it to be fully portable



Operates with or  
without tyre



Machine is movable with  
a standard pallet jack.



Faster operation.  
15 min. per wheel



Laser Probing System for a more **ACCURATE**  
and a much **FASTER** wheel shape analysis.



Ultra-quiet operation.  
Low noise level



## Quick Comparison

\* Available in the European market

Equivalent machines*	Wheel Restore WR-DCM3
Weight <b>2300 kg</b>	Weight <b>450 kg</b>
Max Wheel Diameter <b>28"</b>	Max Wheel Diameter <b>30"</b>
Measure Accuracy <b>&lt; 1 mm</b>	Measure Accuracy <b>&lt; 0.015 mm</b>
Speed of probing <b>3-5 minutes</b>	Speed of probing <b>1 minute</b>
Installation <b>Heavy Duty Forklift</b>	Installation <b>Standard Forklift</b>

**Safety first! The machine is designed to fulfill all the latest international CNC machine regulations.**

- » Meets the ISO 23.125 directive (Machine tools -Safety -Turning Machines)
- » CE confirmative declaration
- » Full Risk assessments guides
- » Built according to international electric guidelines

Electronic components by Schneider Electric



### Technical Specifications

X axis travel	655 mm	Power Supply	230 / 110V 16A	
Z axis travel	350 mm	Dimensions	Length mm	990 (1405)
			Width mm	1020 (1100)
			Height mm	1690 (1730)
Max wheel diameter	30"	Weight	450 kg	

# Auto Wheel Paint Machine

WM600 / WM500



Introducing the  
fully automated  
wheel painting  
machine

A patented, wheel painting robot, capable of painting both sides of a wheel from start to finish, fully automated, utilizing either a regular spray gun or an aerosol. The footprint of the wheel painting machine is identical to that of our WR-DCM3 Diamond Cut Wheel Machine (1 x 1 x 1,75m), allowing it to paint wheels from 13 all the way up to 22 inches.







# World's first fully automatic Wheel Painting Machine

Eliminating guesswork or inconsistencies when painting wheels!

from start to finish

## Full Process Painting

On the setup screen you can activate Primer, Color or Clear Coat and input the following application settings.

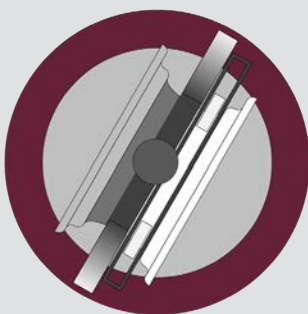
Set one or dual sided

Set from 1 to 3 layers

Set drying time

## Auto Aerosol Shifter and Shaker

The Paint Machine operates with special HLPV aerosols and will automatically shift between each variable (base color, clear coat, primer).



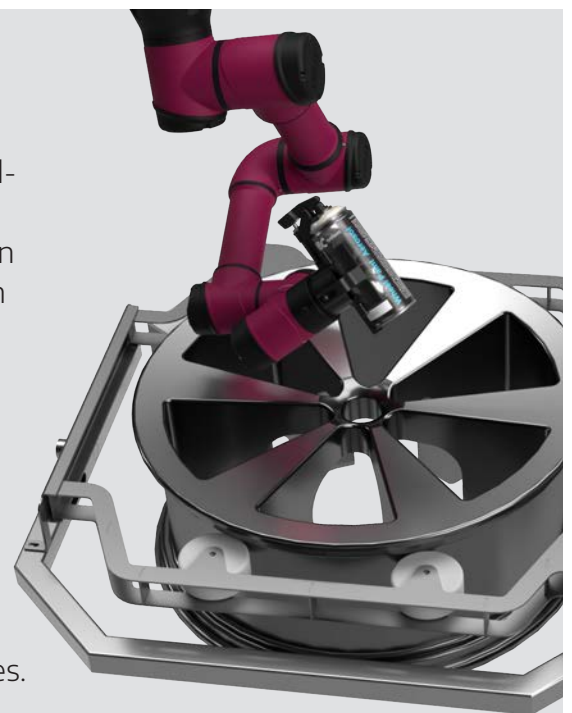
## Dual-Sided Painting

A vital part of its operation is the dual-sided (front/back) painting capability using either a regular spray gun OR an aerosol can – including the application of Primer, Base color, and Clearcoat.



## 360° Vertical Rotation

The wheel automatically rotates in a smooth motion ensuring a steady material application that is difficult to duplicate by hand - resulting in consistent results with no irregularities.



# Auto Wheel Paint Machine

## WM600 / WM500

The wheel painting machine is a self-contained unit. Keeping the full workflow of painting, extraction, and curing in one user-friendly machine. To that end, it has been fitted with curing and extraction systems.

### Wheel Paint Extraction

During the painting process, it is extremely important to have the best possible airflow in the Wheel Paint unit to avoid overspray and prevent the environment from being polluted with fumes and paint mist. The inlet filter takes care of clean inlet air to make sure no dust particles will affect the painting process.

The airflow in the unit is around 0,3 m/s which is even higher than an average spray booth. The ATEX-approved extraction ensures the paint mist and fumes are discharged through the filters to an optional filter bank or spray booth.



BUILT-IN INFRA-RED AND ULTRAVIOLET

### Wheel Paint curing systems

The Wheel Paint machine is equipped with 2 types of curing systems. Infra-Red (IR) and Ultraviolet (UV) lamps are installed inside the machine to make sure the primer, base coat, and clear coat will be cured in the best and fastest way possible. Depending on the type of paint used which is selected in the program, the lamps are switched on for the required time to fully cure the layers applied. Once cured the rim can be taken out of the machine allowing the tire to be mounted. Curing times are between 35 seconds for UV up to 20 min for IR.





The Painting machine is available in two configurations

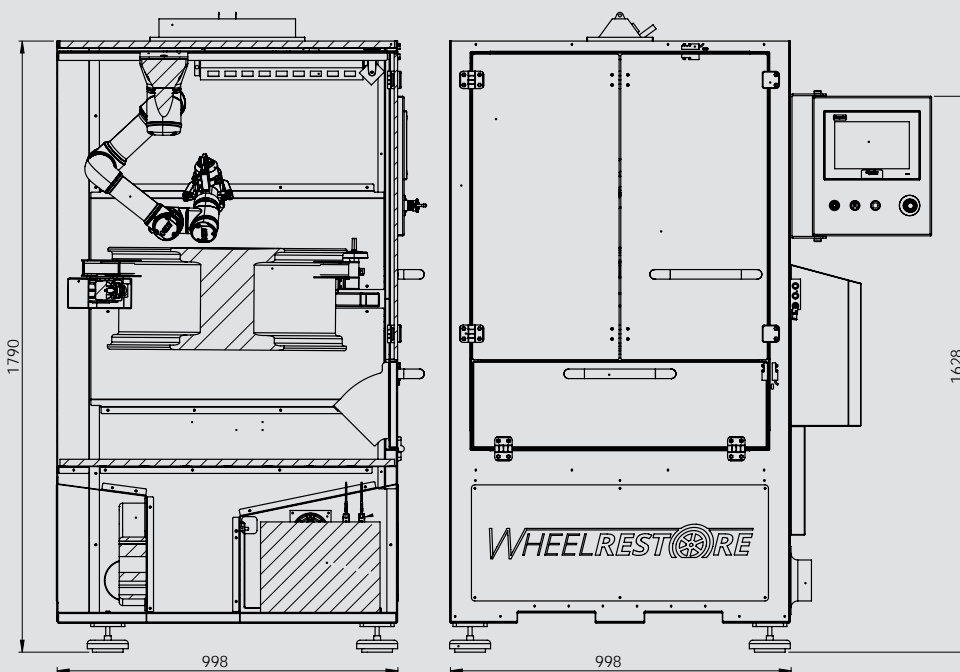
## Automatic or Semi-Automatic

### FULLY AUTOMATIC OPERATION WM600

A single enclosed Wheel Spray Bay with internal lights and wheel rollers, for Automatic application of primer, color, and clear coat by a Fully Automated Robot. Built-in UV and IR curing system and ATEX-approved extraction.

### SEMI-AUTOMATIC OPERATION WM500

A single enclosed Wheel Spray Bay with internal light and wheel rollers, for manual application of primer, color, and clear coat. Built-in UV and IR curing system and ATEX-approved extraction.



#### SPECIFICATIONS

Dimensions:  
Height 1790mm  
Width 998mm  
Length 998mm

Power supply:  
220 / 110 Volt / 16 A

Wheel size:  
13" – 22"

Screen:  
12" touch panel display

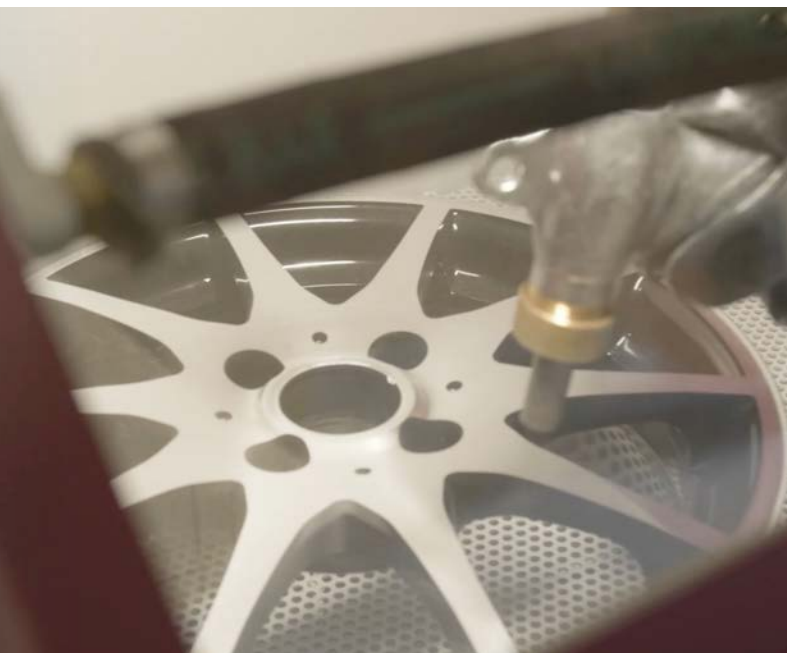
# Alloy Wheel Blast Cabinet & Filtration +Dust Collector WM-700



The heavy duty all steel blast cabinet affords excellent visibility of the wheel and the area being etched. Bright internal lighting delivers even illumination without shadows. Optimum visibility is maintained inside the cabinet by a highly efficient dust collector constantly removing media dust and fine particles.

The bead blasting process produces an even finish with easy sweeps across the wheel surface and, unlike traditional disc sanders, it allows both easy penetration of the blast media stream between the spokes and also very precise localised etching if required. It also provides a fast and even light etching to remove only the chipped lacquer on virtually new wheels, whilst being capable of etching right back to bare metal if required.





## The Alloy Wheel Blast cabinet is complete with cyclone for dust selection and exhaust-fan,

air treatment with dehumidifier filter, pressure regulator and manometer, pneumatic foot-pedal with stepper and all the accessories for use. Fully CE certified.

### Alloy Wheel Blast Filtration + Dust Collector.

Filtration system equipped with polyester filter cartridge (Filtering Surface mq.3) with a pressure switch for the monitoring of changes of pressure and detection of clogging of the filter. The automatic cartridge cleaning function, obtained with a timed powerful compressed air jet, and the slowdown dust pre-chamber, guarantees high functionality and filtration efficiency.

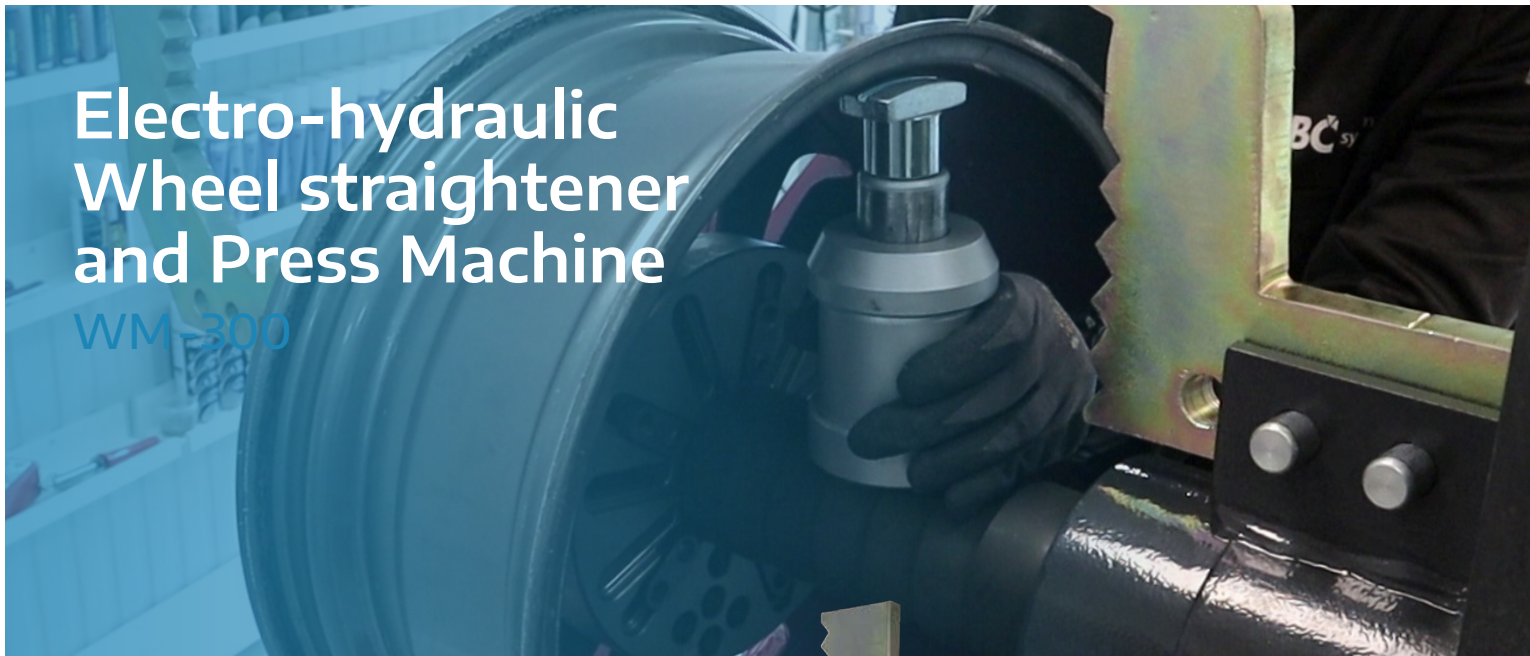
Alloy Wheel Blast Cabinet	
Cabinet Dimensions (H×W×L)	750×1100×850mm
External Dimensions (H×W×L)	1800×1150×1300mm
Rotating Table	Ø mm 700
Motor-Driven Exhaust Fan	0.75 HP
Compressed Air Consumption	780 lt/1' - 6 atm
Power Supply	220-380 V 3-Phase 50 Hz

Alloy Wheel Blast Filtration - Dust Collector	
External Dimensions (H×W×L)	1890×620×640mm
Filtering surface	3 m <sup>2</sup>
Cartridge	1 Polyester

# Electro-hydraulic Wheel straightener and Press Machine

WM 300

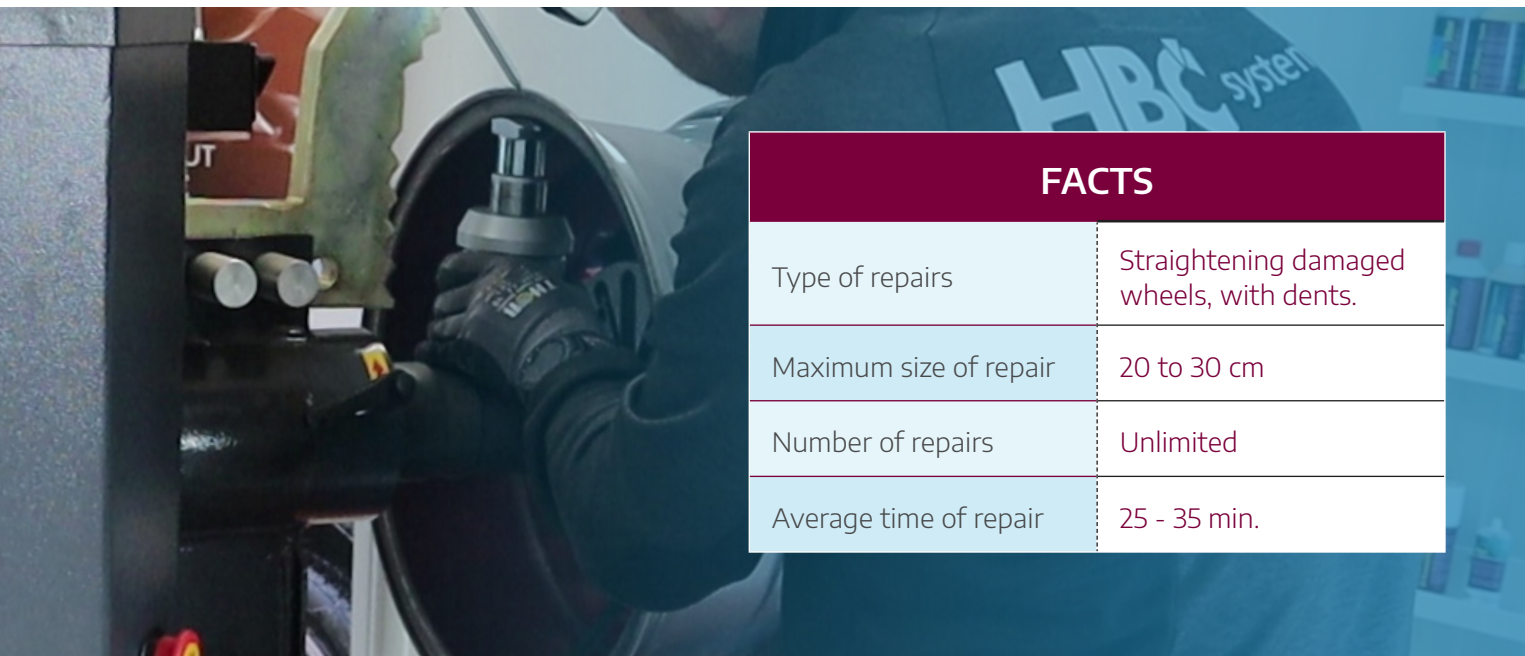


Due to the generally poor road surfaces and potholes many cars on the road suffer from warped wheels that are easily repaired with the WM300 Wheel Straightener.

**Easily installed and  
requires only minimal  
instruction for experienced  
technicians to get started.**







## FACTS

Type of repairs	Straightening damaged wheels, with dents.
Maximum size of repair	20 to 30 cm
Number of repairs	Unlimited
Average time of repair	25 - 35 min.

## Professional hydraulic wheel straightener. A must have for alloy wheel repairers and tyre shops.

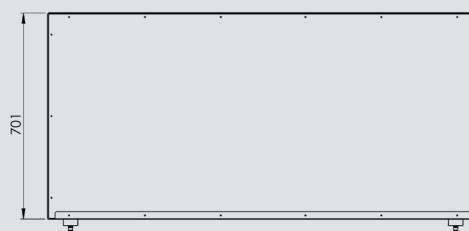
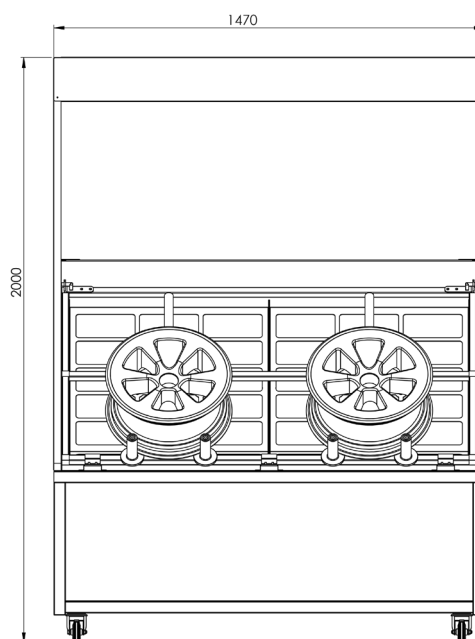
Easy to use and highly effective machine that allows technicians to quickly remove flat spots and buckles in warped wheels, eliminating the need to replace often times expensive oem alloys. Saving customers money and time. High demand for repairs > FAST ROI.



## Technical Specifications

Maximum Rim Diameter	10" - 26"	Axle Engine Power	100hp/100 dc./dk 0,75 kw
Maximum Rim Width	12"	Working Pressure	0-250 bar (Standard 150 bar)
Hydraulic Power	220V 3-Phase 50 Hz	Packing Size (L x W x H)	800 x 1200 x 1650 mm
		Weight	325 kg

# Wheel Prep and Spray Bays



## Produced in premium quality!

The Prep Bay is made in 40 x 40 x 2.5 mm aluminium profiles with rounded corners. 4 mounted rolling wheels, makes it an extremely flexible workstation.

## Light weight

The Wheel Prep Bay is extremely durable and lightweight. This results, easy movability around the workshop, even when wheels are in the Wheel Bay.

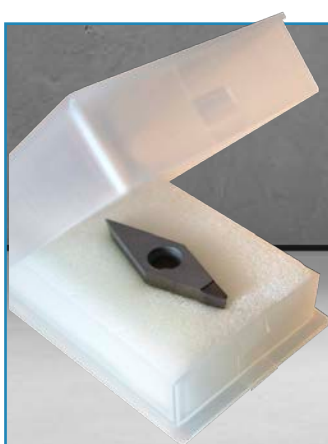
Wheel Prep Bay is designed and manufactured for 2 wheels to be prepped or sprayed at the same time, and additionally, 2 wheels can be stored below the bay.

## Easy wheel spin

The Wheel Prep Bay includes rollers under each bay, that allow the wheel to spin with near to no force.

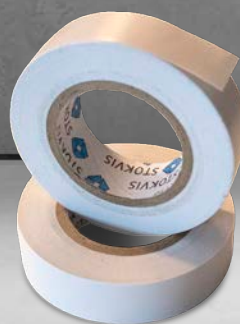


# Recommended Accessories and consumables



**Diamond  
Cutting Tip  
for WR-DCM3**

1 pc.  
Part no. WM801



**Special  
Tape  
for WR-DCM3**

10m / 2 pcs.  
Part no. WM806



**2K Diamond  
Cut Clearcoat**

Aerosol, 400 ml  
Part no. 802



**Alloy Wheel  
Protection  
Package**

Cleaner+Coat  
Part no. 572



**Diamond Clearcoat Package  
(Clearcoat 1L, Hardener 0,5L  
and Thinner 0,5L)**

Part no. 840P



Finance your WR-DCM3 with **FSG** and receive the service plan\* for free.

# €800/MO.

\* Full details on included services available at **fsg-finance.com**






After the 48-month agreement expire we will provide a buy-back or a renewal option. Return, refresh, or purchase which ever option fits your need. Full details on included services available at [fsg-finance.com](http://fsg-finance.com)

- > Send the wheel repair details by email
- > Print the repair details on a sticker
- > Laser print the QR code on the wheel
- > Store the data in a database

## Wheel Restore App





**Wheel Restore Company ApS**  
Hobrovej 963, DK9530 Stoevring, Denmark

Video Demos of the Diamond Cutter, Blaster, Straightener available at [wheelrestore.com](http://wheelrestore.com)

