

WHEELRESTORE

WM750
WM750-

User manual



This Manual is published by:

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1 – Introduction

Dear technician,

We are confident that you will enjoy working with your new WM750-WM710 – Wheel Blasting machine.

Your machine is running with Software version: XXXX

We would like to hear about your experiences with the WM750-WM710. A few words concerning the things that have made an impression on you - positive or negative - would be of great help to us in our efforts to improve our products to an even higher standard. If you have any questions or need additional products, we will assist you with further advice.

If you have any other types of questions, we refer to our Service & Support platform at www.support.WheelRestore.com. Use your login provided at initial training.

We strongly advise integrating a water separator with your machine to ensure optimal performance.

Thank you.

2 - Disclaimer

General Safety Guidelines for Blaster Operations

Authorized Personnel:

Only authorized and properly trained personnel should operate or interact with the blaster. Untrained individuals may be at risk of injury or damage when working with the blaster.

Read and Follow Instructions:

Thoroughly read and understand all provided instructions, manuals, safety guidelines, and warnings associated with the blaster. Adhere to the recommended operating procedures and safety precautions.

Training and Familiarization:

Ensure that all personnel operating or working with the blaster receive comprehensive training on its safe operation, programming, and maintenance. Familiarize yourself with the blaster's specific features, limitations, and emergency stop procedures.

Risk Assessment:

Conduct a thorough risk assessment of the work environment and tasks involving the blaster. Identify potential hazards and implement appropriate safety measures to mitigate risks, such as barriers, safety interlocks, or protective enclosures.

Personal Protective Equipment (PPE):

Wear the required PPE, such as safety glasses, gloves, and protective clothing, as specified for the specific blaster and its associated tasks. Additional PPE may be necessary based on the work environment.

Emergency Stop:

Know the location and operation of the emergency stop button or switches. Be prepared to stop the blaster's operation quickly and safely, in case of an emergency or unsafe situation.

Safe Work Envelope:

Be aware of the blaster's reach, movement range, and any potential pinch points or collision areas. Maintain a safe distance from the blaster while it is in operation to prevent accidental contact.

Restricted Access:

Control access to the blaster's workspace to authorized personnel only. Ensure that non-essential personnel are kept at a safe distance from the blaster during operation to prevent accidents or interference.

Interference Prevention:

Keep the work area clear of obstacles, tools, or loose objects that may interfere with the blaster's movement or operation. Ensure that no personnel are within the blaster's reach or hazardous zones while it is in motion.

Tooling and Fixtures:

Follow proper procedures for installing, securing, and removing tooling or fixtures on the blaster. Ensure that they are correctly aligned, fastened, and suitable for the intended tasks to prevent accidents or equipment damage.

Maintenance and Inspection:

Regularly inspect the blaster for signs of wear, damage, or malfunction. Follow the manufacturer's recommended maintenance schedule and promptly address any issues or faults to maintain the blaster's optimal performance and safety.

Communication and Collaboration:

Establish clear communication channels and protocols when working with the blaster in a shared workspace. Coordinate tasks with other personnel to prevent conflicts and ensure safe collaboration.

Power and Energy Sources:

Exercise caution when working with power sources or energy systems connected to the blaster. Follow proper lockout/tagout procedures when performing maintenance, repairs, or accessing electrical components.

Reporting Safety Concerns:

If any safety hazards or concerns related to the blaster are identified, report them immediately to the appropriate personnel or supervisor. Do not operate the blaster if there are unresolved safety issues.

3 - Product Liability Disclaimer

Proper Use and Maintenance:

- a. Users are responsible for using the product in accordance with the provided instructions, manuals, and guidelines.
- b. Regular maintenance, inspection, and servicing of the product are necessary to ensure its continued safe and effective operation.
- c. Failure to follow proper use and maintenance procedures may result in personal injury, property damage, or other adverse consequences for which Wheel Restore cannot be held liable.

Assumption of Risk:

- a. Use of the product involves inherent risks, and users assume full responsibility for these risks.
- b. Users acknowledge that Wheel Restore cannot control or predict all potential circumstances or conditions under which the product may be used, and therefore, users accept any associated risks.

Product Suitability:

- a. It is the responsibility of users to determine the suitability of the product for their specific needs, requirements, and intended applications.
- b. Wheel Restore provides product information, specifications, and recommendations to the best of its knowledge and abilities, but it does not guarantee the product's suitability for any particular purpose.

Third-Party Components or Modifications:

- a. Wheel Restore may incorporate third-party components or parts into its products. The performance, reliability, or safety of these components is subject to the respective manufacturer's specifications and warranties.
- b. Any modifications or alterations made to the product by the user or any third party without explicit authorization from Wheel Restore may void warranties and release Wheel Restore from liability.

Limitation of Liability:

- a. To the maximum extent permitted by applicable law, Wheel Restore shall not be liable for any direct, indirect, incidental, consequential, or special damages arising from the use, misuse, or inability to use the product, including but not limited to personal injury, property damage, loss of profits, or interruption of business operations.
- b. The total liability of Wheel Restore for any claim related to the product shall not exceed the purchase price paid by the user for the product.

Indemnification:

- a. Users agree to indemnify, defend, and hold harmless Wheel Restore, its employees, agents, and affiliates from any claims, demands, damages, liabilities, and expenses, including reasonable attorney fees, arising out of or in connection with the use or misuse of the product.

Product Modifications and Discontinuation:

- a. Wheel Restore reserves the right to modify, improve, or discontinue its products without prior notice, and shall not be obligated to provide retrofitting or updates to previously sold products.


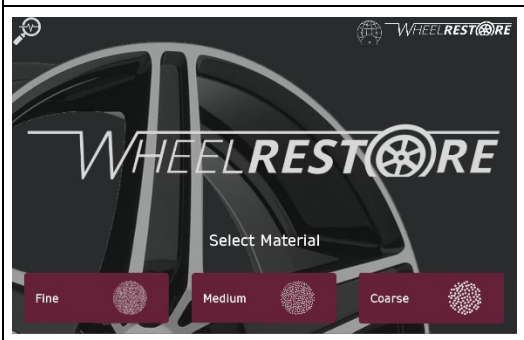
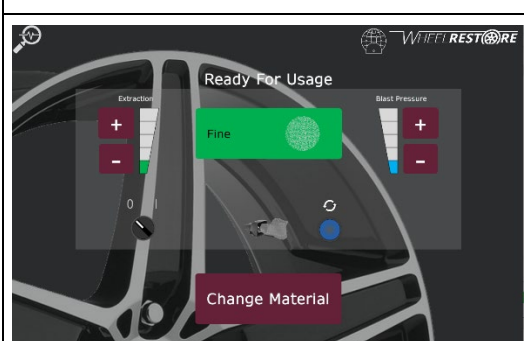


Applicable Laws and Jurisdiction:

a. This disclaimer shall be governed by and construed in accordance with the laws of the jurisdiction in which Wheel Restore operates. b. Any disputes arising from or in connection with this disclaimer shall be subject to the exclusive jurisdiction of the courts in the forementioned jurisdiction.

By using the product, users acknowledge that they have read, understood, and agreed to comply with this product liability disclaimer. Users should consult legal or professional advice, if they have any concerns or questions regarding their rights, responsibilities, or obligations related to the use of the product.

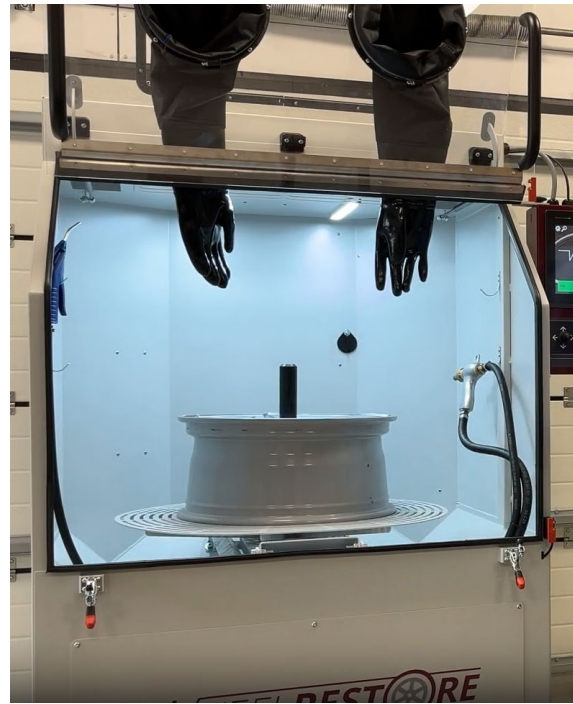
4 – Power up and initializing

- Connect the air supply to the machine. The machine requires min. 4 bar to operate.
- Connect the power by plugging in the plug into the socket. The machine requires 230V, 16A.
- Once powered up wait until you see the Startup screen.

	<p>When switching power on tap the window to start.</p> <p>NOTE: If the HMI screen is not responsive press and hold the blue reset button for min. 3 seconds.</p>
	<p>Select the material for the required treatment</p> <p>Open the front door, put the wheel inside the machine, put the center pin through the center hole of the machine inside the wheel disk*.</p> <p>*Only applicable on the Semi-Automatic (WM750)</p> <p>NOTE: If the HMI screen is not responsive press and hold the blue reset button for min. 3 seconds.</p>
	<p>Press  "+" or "-" to raise or lower the extraction</p> <p>Press  "+" or "-" to raise or lower the blasting pressure</p>
	<p>Use the joystick to raise or lower the angle of the wheel inside the machine*</p> <p>*Only applicable on the Semi-Automatic (WM750)</p>
	<p>Press the foot pedal to start blasting. Start at the valve, blast one side of the wheel, once you have done a full 360 degrees treatment, blast from the other side to make sure the entire wheel has been blasted.</p>
	<p>Once blasted use the air gun to remove the blasting material from the wheel</p>

Open the door, remove the center pin from the wheel and remove the wheel from the machine

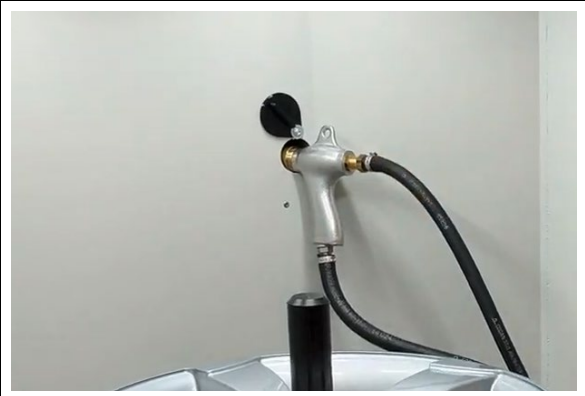
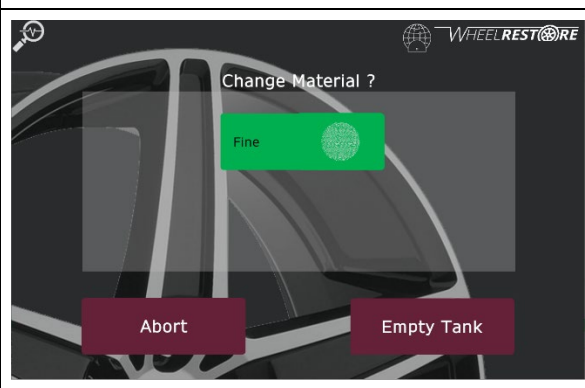
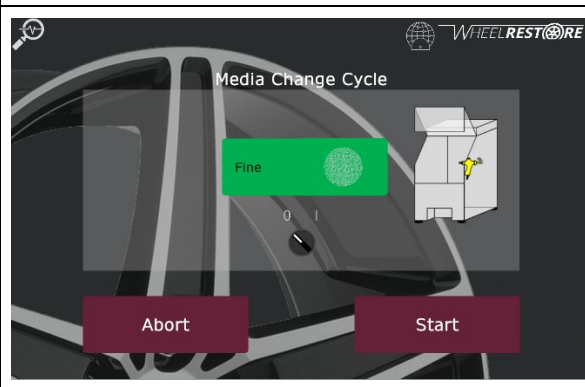
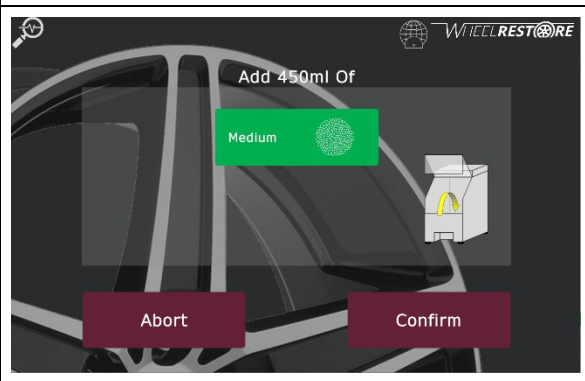
5 – Changing Blasting material



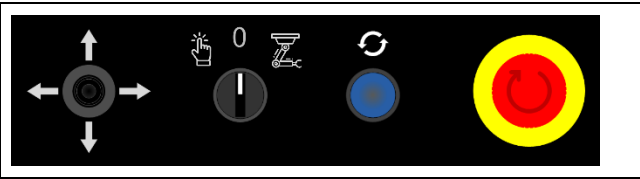
Open the door of the cabinet.








Open the valve at the back of the machine

	<p>Put the blasting gun inside the hole, close the door and lock it.</p>
	<p>Press "empty tank"</p>
	<p>Press "start". The tank will now be emptied. There will be a countdown timer on the screen. Once the timer is on zero you can open the door, remove the blasting gun from the hole and put it back in the holder.</p>
	<p>Add 450ML of the new blasting material into the cabinet and press "confirm".</p> <p>Fine material is to matt the wheel, preparing it for Clearcoat. Medium blasting material is used to prepare the wheel for paint. Coarse blasting material is for stripping the paint.</p> <p>The machine is now ready for use.</p>

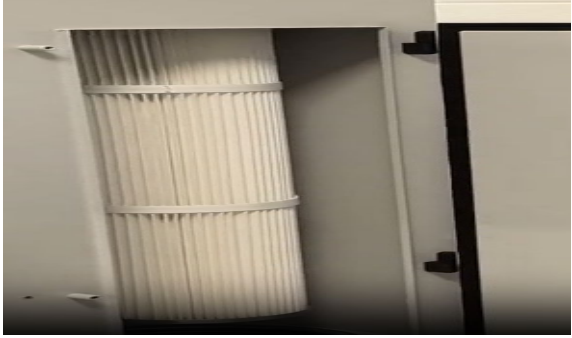

6 – Operating buttons

	<p>Besides the display, there is a set of buttons/switches below the display. Display refers to these buttons, when prompted on the window.</p>
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	Emergency stop	When pressed the machine stops immediately. All motors release all energy (free run)
	Reset	Constant light safety function activated. Blinking or sign on the HMI screen waiting for operator, press the button to reset.
	Selector switch	Selector switch position depends on which mode machine is operating in. Switch to  for manual operation. Display prompts which position to be selected. Switching during operation results in a safety fault and can cause damage to the wheel or machine.
	Joystick	Joystick moves the wheel disk up and downwards.

7 – Maintenance

We strongly recommend that the machine has a yearly service interval performed by a manufacturer approved service technician.

	On the left side of the machine is an access door for the cyclone filter unit. Depending on the usage the filter has to be replaced to insure full functionality of the machine.
	Under the filter there's a container where the dirt from the where the dirt is collected. Empty the bin frequently depending on the usage.

8 – Service and Support

Service and support require a service ticket. Wheel Restore offers a service ticket system.

In addition to support tickets, the platform offers an overview of ongoing service on the WM750-WM710. This includes files, tasks and software updates. Yearly maintenance can be requested and set up as an event with notifications. [SAS system \(Service & support system\)](#)

Additional information can also be found in the Wheel Restore Knowledge base here: [SAS Knowledge base](#)

We have a network of appointed sales distributors in nearly every country around the world. Therefore, and to support you the best possible way, we kindly ask you to follow the relevant option below:

Contact your local sales distributor in your country

Send order to us at order@hbc-system.com

Please note that, if we have an appointed sales distributor in your country, your order will be forwarded to the sales distributor.

9 – Disposal

If the machine is bought: The machine is separated and sorted according to local environmental requirements.

If the machine is rented: Return machine to FSG.

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