

Rim Refinishing Process

Preparation

The wheels come into the wheel refinishing shop covered with dirt and rust. Before the wheel can be painted, it must be completely clean. The wheels are loaded into automated blasting machines that use small steel shot to blast away the rust and grime. The wheels are then hand inspected and if any rust or old paint remains, it is removed by hand and the wheel is sent back into the blasting machine for additional cleaning.



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Inspection

After the Rim's are removed from the blasting machine, they are then inspected for issues that may effect their performance or any issues that could cause the wheel to be unfit or non compliant with FMCSA Regulations.

Specific Defects we look for are:

- Cracks
- Worn Bolt Holes
- Defects in the Rim Flange Area
- Excessive Chamfer Wear
- Non-Legible DOT Stamps



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Primer/Powder Coat Application

Once the wheel arrives at powder coating it is loaded into the powder coating booth. A negative charge is applied to the wheel and the paint is sprayed on with a positive charge. The negative charge of the wheel draws the paint in and creates a smooth uniform surface.

Wheels can be powder coated with many different colors. The standard colors are white, blue, black, and red. We are also capable to do Custom colors to meet the customers needs.



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Curing Process

After the Rims/Wheels have been coated with Powder, they are lined to be transported through an infrared oven where they are cooked to 360 degree's for 15 minutes, the powder transforms into a durable, shiny, permanent finish which is resistant to chipping, peeling, and cracking.



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Final Inspection

Once the wheel complete the cycle through the infrared oven and have reach 350 degrees, they are then processed for final inspection. During this inspection, the Rims/Wheels are inspected for light area's of coating, consistent coating, Mil Thickness testing to verify that 3 mils of coating has been applied. If the rims fail this process, they are re-ran through the entire process so as to guarantee our customers satisfaction.

