

Stewart-Haas Racing Wins with Rytec Doors

With award-winning drivers and some of the industry's most advanced technology, Stewart-Haas Racing (SHR) is one of North America's most celebrated NASCAR teams.

Located in the heart of NASCAR country, SHR's North Carolina headquarters is home to its business offices, research and development, fabrication, assembly, training and testing centers. The team fields four entries in the elite Sprint Cup Series—the No. 14 Bass Pro Shops/Mobil 1 Chevrolet with driver Tony Stewart, the No. 10 GoDaddy Chevrolet with driver Danica Patrick, the No. 4 Budweiser/Jimmy John's Chevrolet with Kevin Harvick, and the No. 41 Haas Automation Chevrolet with Kurt Busch.

Of course, in NASCAR, speed is critical and time is of the essence. But SHR was wasting time and money when it came to their doors. With the installation of Rytec high-speed doors, SHR significantly improved shop productivity and working conditions while reducing their energy consumption. This case study explores the challenges at hand and how Rytec's high performance doors provide a winning edge.

Challenge: Increase Speed and Efficiency

Reaching speeds in excess of 200 miles per hour, NASCAR drivers are focused on

their racing strategy while communicating with their crew, maneuvering their car, and responding to track conditions. A winning edge on the track is often measured in mere fractions of a second. While drivers get most of the attention on the track, the notion that NASCAR is a team sport is clearly evident at SHR. A behind-the-scenes team of designers, engineers, mechanics and machinists build and test the team's high-performance racecars, always on the lookout for any advantage in speed and efficiency.

"Every second counts," says Greg Zipadelli, Vice President of Competition at SHR.

"It's all about trying to find more speed. It's about trying to make us and the shop more productive ... to be able to get our cars turned around sooner so that we can continuously make things better."

Solution: Rytec High Performance Doors

In an effort to improve operational efficiency off the track, SHR replaced their conventional steel door with a Rytec Spiral® door. With an opening speed of 60 inches per second, the door is approximately ten times faster than their original doors.

The unusual design and speed of the spiral mechanism, for which the door is named, captures the attention of anyone who sees it.



Productivity and Work Flow

Every race week at SHR, four haulers leave Kannapolis, each carrying two cars and at least two spare engines. They also pack pit crew equipment, toolboxes, tires and spare parts like highly calibrated suspension springs. At the end of the race weekend, all the cars, engines and equipment come back to the shop.

Whether coming or going to Talladega or Texas, every piece of SHR equipment travels through a Rytec door.

Energy Conservation and Climate Control

On the racetrack, green means go. At SHR, green also means maintaining

a commitment to energy efficiency and sustainable practices. SHR operates out of a 140,000-square-foot facility where almost half the energy used goes toward heating, ventilation and air conditioning. Prior to the installation of the Rytec doors, the slow operating speed of the original conventional-style garage doors allowed conditioned air to escape, causing temperatures to fluctuate significantly.

Maintaining temperatures inside the shop is not only critical for sensitive equipment, but also for quality working conditions for the 250-person staff.

Learn more at RytecDoors.com or call 888-GO-RYTEC.

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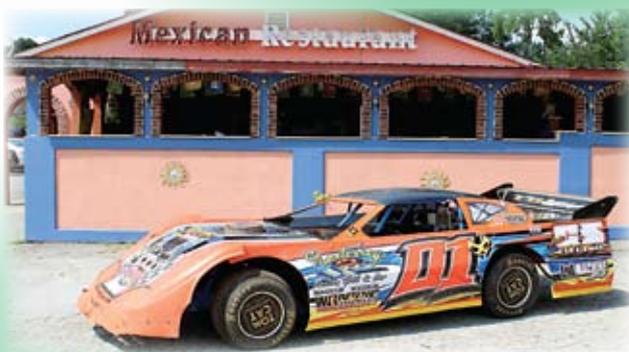
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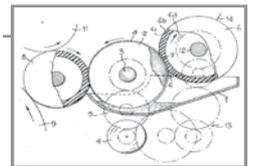
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