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FONTAINE® REVOLUTION® TRAILER BRINGS AEROSPACE TECHNOLOGY DOWN TO EARTH

HALEYVILLE, ALABAMA -- Fontaine®, the leading brand and recognized technology leader in the platform trailer industry, employs StirLITE® friction stir welding to assemble the Revolution® all-aluminum trailer. Friction Stir Welding is used in the Aerospace industry to build aircraft wings without adding material or weight. Fontaine is applying this proven technology to build advanced aluminum trailers.



“The problem with MIG welding (typically used in the trailer industry) is that it is not as strong, requires excessive heat, can distort the material and adds weight to the product,” explained Ken Webb, Vice President of Sales and Marketing for Fontaine. “In our StirLITE® friction stir welding process aluminum floor extrusions are stirred together at high speed without melting the material. The aluminum extrusions become one at the molecular level, making the floor a single-piece of rigid aluminum. The lower temperatures eliminate distortion, and since we do not use welding wire or welding rods there is no splatter or added weight,” concluded Webb.

The StirLITE® unitized floor addresses several problems facing traditional flatbed trailers built with crossmembers, fasteners and bolts. Traditional trailer’s rack, twist, bend and flex as they travel the highways under load. The Revolution® with its rigid floor design delivers unprecedented road stability. This helps the Revolution® trailer track straight and true behind the tractor which means less road friction. This results in less tire wear that can increase the life of the tire up to 30% and improve fuel mileage up to 3%. In addition, the Revolution® patented unitized design greatly reduces “side-bow” flexing to promote longer tire life and to reduce stress on the suspension and other trailer components for greater durability.

For more information visit your local Fontaine dealer, or you can learn more about the Fontaine Revolution® StirLITE® floor at www.fontainetrailer.com/revolution

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Fontaine Transportation Equipment Group is the largest platform trailer manufacturer in the world producing a complete line of aluminum, steel and composite trailers for the flatbed, dropdeck and heavy-haul markets. Manufacturing facilities are located in Jasper, Haleyville and Springville, Alabama. Fontaine Transportation Equipment Group is a Marmon Highway Technologies/Berkshire Hathaway company. Marmon Highway Technologies (MHT) supports the transportation industry worldwide with a wide range of high-quality products and services.

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