



Windmaster

Aerodynamic Rolling Tarp System



DURAPAIN
INDUSTRIES LIMITED



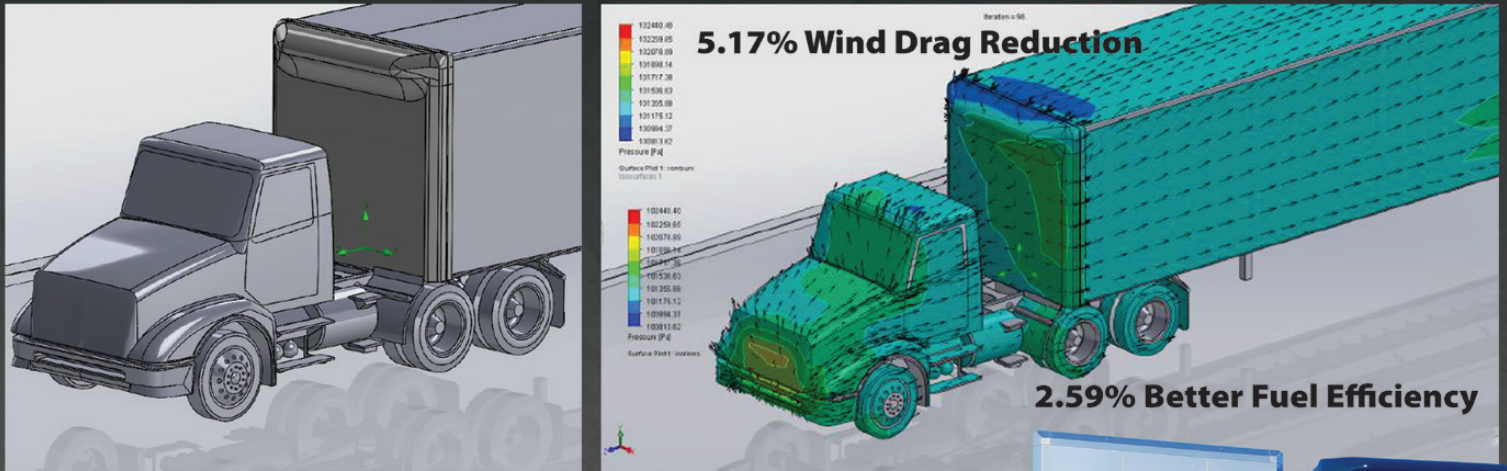
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THE WESTERN WAGON
TRANSFORMED FROM THE 1800'S
to meet modern day load covering
transportation requirements.

LCS - CFD SIMULATION ANALYSIS

Aerodynamic Flat Bulkhead Design



CFD Simulation Analysis

Bulkhead Comparison 100" Ht. with 10" Fairing vs. Flat Wall

System Height 100"	Wind Drag Reduction (Drag Force Value %)					Cd (Drag Coefficient) Flow Weighted Average (%)	Improved Fuel Economy (%)
	Head Wind at Yaw Angle 0°	Cross Wind at Yaw Angle 3°	Cross Wind at Yaw Angle 6°	Cross Wind at Yaw Angle 10°			
Aerodynamic Bulkhead Fairing		3.51%	5.89%	5.06%	5.17%		2.58%



All LCS Bulkheads are tested in comparison to a 100" High Flat Aluminum Front Wall at 65MPH



Waffle Mirror Stainless - Opt.



Smooth Mirror Stainless - Opt.



Nickel Bright Aluminum - STD.

LCS- Load Covering Solutions offers the 1st ever Fully Integrated Aerodynamic Flat Front Modular Bulkhead. Our Engineering Design Criteria was very specific. Provide a minimum Wind Drag Reduction of 5% or better, Improved Fuel Economy of 2.5% or better, Easy to Replace Components for Service & Repairs, Multiple Front Wall Panel Choices and an overall "GR8LOOK" appearance. Our CFD tested 10" fiberglass upper nose fairing and dual contoured fiberglass side panels can all be color coordinated to match your choice of tarp color.

Make the Windmaster GR8LOOK Rolling Tarp System your next choice!



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