

Rocketail Offers Next Generation Aerodynamics for Rear Drag Reduction

Semi-trailer rear drag device is designed to provide industry's best performance-to-cost ratio for overall ROI

San Diego, CA – January 29, 2019 – Rocketail LLC, makers of advanced, aerodynamic tail systems for semi-trailers, today announced the launch of its Rocketail Wing™ – next generation rear drag reduction technology for trailers. The Rocketail system (Patent No. US 9,708,017 B1) is a verified EPA SmartWay trailer rear fairing technology for heavy-duty truck trailers that has exhibited a certified fuel efficiency improvement of over 3.58 U.S. gallons per 1,000 miles.

“Rocketail solves the ‘Three D’s’ essential to performance for any aerodynamic tail system; Drag, Deployment and Damage,” said Michael Militello, CEO at Rocketail. “Our Rocketail Wing is integrated with the trailer door, so it’s always deployed, it extends a mere 14 inches from the rear of the trailer eliminating a main cause of rear collision damage in current tail systems, and it delivers proven drag-reducing performance.”

Featuring a breakthrough jet wing design, the one-piece airfoil was certified by MVT Solutions to provide a fuel economy improvement of 3.36% and by PIT Group to improve fuel efficiency by 3.30% in testing.

Constructed of lightweight high-impact, gas-infused polymers that are internally cross-braced, the wing-shaped airfoil has a compact footprint with no additional external or internal moving parts. It extends only 14 inches from the rear of the trailer compared to as much as four feet for other rear drag solutions on the market.

The Rocketail Wing is always deployed using unique swing-hinges that lock the wings in their maximum aerodynamic open position each time the doors are closed. The system shifts the wings flush with the sides of the trailer each time the doors are opened, allowing the doors to swing a full 270 degrees without being blocked.

Each Rocketail Wing attaches without guy-wires or struts with just two industrial-grade, stainless steel hinges. Installation, requiring only drill bits and tightening tools, takes two people about one hour to complete. Each wing weighs less than 30 pounds and requires minimal to no annual maintenance.

“Rocketail is maximally effective because its multi-element airfoil design has unique patented features that smooth and redirect rearward airflow behind a trailer while producing forward lift, similar to a wing on a jet aircraft,” said Militello. “Additionally, placing the device one inch away from the trailer wall avoids having the boundary air layer interact with higher volume, more uniform airflow. These two design features enable Rocketail to have a profile that’s 50% to 80% smaller than competitive designs.”

About Rocketail LLC

Rocketail LLC manufactures today's most advanced, aerodynamic tail systems for reducing rear-end drag on modern semi-trailers. By incorporating a multi-element airfoil like those found on jet aircraft, the company's patented Rocketail Wing™ is designed to solve the Three D's of Drag, Deployment, and Damage for semi-trailers. The SmartWay verified technology greatly improves fuel efficiency with the least overall cost in parts and maintenance. This revolutionary approach results in exceptional performance and unit economics. Rocketail Wing has successfully completed third party testing in the U.S. and Canada to certify performance and is now being installed by major fleets across North America. Headquartered in San Diego, CA, Rocketail also has a field office in Logan, UT. For more information, visit www.rocketail.com.

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