

# INTRODUCING The Industry's First Totally Automated Rear Air Spoiler

## SmartTail®

## Aerodynamic Fuel Efficiency



**Air Spoiler Deployed**

The patented **SmartTail®** reduces drag and increases fuel efficiency of semi tractor trailers. The system is attached to the doors of the trailer, and is automatically inflated to deploy and optimize the trailer's aerodynamic profile while driving above programmed speeds. At sustained low speeds, the air spoiler is deflated under vacuum to fold and stow the air spoiler against the trailer doors allowing the doors to be fully opened. The **SmartTail®** incorporates a state of the art, dedicated micro-controller that constantly monitors speed, altitude and direction via an internal GPS. The Smart Control continuously monitors temperature and pressure.

The **SmartTail®** automatically deploys when the vehicle reaches a programmed speed; no action is required by the driver. The control deflates to stow the polymer skin automatically at low speeds so that it is totally deflated and folded before the driver opens the rear doors. The Smart Control is totally self contained requiring only a 12 Volt connection to the trailer.

## The ATS Advantage

**\*Ideal for Dry Box Vans, Reefers, TOFC.**

**\*24 in. International Version Available**

- 4-7% fuel savings with minimal maintenance
- Requires no driver duties - totally automated
- Smart Control features immediate deflation if the trailer is moving in reverse
- Trailer doors can fully open
- Lightweight - less than 140 lbs.
- Inflation system is impervious to rain, snow and ice
- No external moving parts
- Green - reduces harmful air emissions
- Long life - rugged cross fiber reinforced polymer
- Reduces backwash

## Meet CARB Compliance

**SmartTail® is a SmartWay verified technology.**



**Smart Control**



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Visit Our Website: [www.ats-green.com](http://www.ats-green.com)

**INTRODUCING**

# WindTamer®

## Aerodynamic Fuel Efficiency Ideal for Box Vans & Flat Beds



The patented **WindTamer®** improves the aerodynamic profile of a semi tractor trailer with a contoured air flow direction under the trailer. Rugged polyethylene construction deflects the air to reduce drag and improve fuel efficiency. No holes are required to be drilled for mounting. This field proven material is used as an undercarriage rock shield in the automotive industry. The unique mid-trailer mounting location also acts as a front shield to suspended brake lines and springs.

### The ATS Advantage

- Provides 20" ground clearance
- Small footprint - less than 7' wide
- Lightweight - less than 50 lbs.
- Great performance in cross winds
- Allows full access to all "I" beams
- Durable polyethylene is virtually indestructible



## IAS Integrated Automated System

ATS has fully tested all of its products to industry and SAE Type II J1321 standards. The **SmartTail®** and **IAS Integrated Automated System** (**SmartTail®** with **WindTamer®**) are both listed as **SmartWay** verified technologies.

### Equation for success

**(SmartTail® + WindTamer®) = 5-8 % Fuel Savings**

Fuel efficiency without maintenance or driver actions!



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