Windmaster
Aerodynamic Innovations by LCS

the SMART LOOK™
engineered sliding systems

Load Covering Solutions Inc. USA
Load Covering Solutions Ltd. CANADA

877-790-5665
www.loadcovering.com

Load Covering Solutions – Home of the Windmaster™
fleets jump on board with the Windmaster™ SMARTLOOK

LCS – Masters Wind Drag

Load Covering Solutions becomes the first sliding tarp system manufacturer with a tested series of aerodynamic trailer fairings to address the critical gap between the back of a truck & front of a flatbed trailer. The Windmaster™ is a rugged one piece molded fiberglass component mounted to a robust frame and set ahead filling 20° of the critical gap. The Windmaster™ enables 100% utilization for maximum payload on the trailer deck, while allowing cargo control equipment to be stored in its interior. Windmaster™ SMARTLOOK Sliding system when compared to a 100” high flat bulkhead reduced wind drag by 9.96% while improving fuel economy by 4.98%.

Why fleets are turning to LCS & Windmaster™ SMARTLOOK

- 10% Wind drag reduction Promotes Driver Safety
- 5% Fuel Savings Promotes Less Emissions
- Full frontal integration makes trailer with system LOOK like one combined unit
- Full deck length utilization

Designing Tomorrow’s Innovations for Today’s Trucking Industry
**evolution & design**

**LCS Differentiates itself from the Competition**

Load Covering Solutions is the only load covering company that is fully invested in reducing wind drag resistance to the front of a soft-sided flatbed trailer. Currently the Windmaster™ at 100” height reduces wind drag by 10% while realizing 5% fuel savings.

Since 1994, Sliding Tarp System bulkheads have typically been flat walls causing massive wind drag. When fleets started looking at lowering system heights to compensate for wind drag and rising fuel cost, the LCS design team took to design a series of revolutionary aerodynamic trailer fairings for its own sliding tarp systems.

- **Typical Flat Bulkhead**
- **Windmaster™ Original**
- **Windmaster™ SMARTLOOK**

Since 1994 to the present, Sliding Tarp System bulkheads have typically been a flat wall

2014-2015 LCS introduced the 1st ever all fiberglass CFD tested aerodynamic front closure

2016 LCS went one step further redesigning the Windmaster with 10% wind drag reduction

You don’t need to reduce the height of your sliding systems. You need to purchase the Windmaster™ SMARTLOOK

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**features**

POWAIR – Air Release Front Locks Mechanism – Standard with the SMARTLOOK

LCS took its original 1994 manual operated front latch locking mechanism and put air cylinders overhead. Operated by an exterior driver side air switch all 4 corners disengage or engage simultaneously.

Man Door for Easy Access - Standard Exterior Finished & trimmed in a Mirrored Waffle Stainless Steel

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**options**

**Interior Windmaster™ Cargo Control Storage**

- Chains with Ratchet Binder Rack
- Chains, Binders & Shelves
- Chains & BK Binder Storage

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LCS Drives New Innovations To Higher Levels
Windmaster™ model options

LCS's commitment in 2008 was to be the 1st aerodynamic manufacturer of retractable load covering tarp systems for open deck flatbed requirements, which led to not just one tested and proven design of Windmaster™, but four.

Year 2008: Windmaster “Bullet”
LCS introduced the 1st ever “high arched” dome roof sliding tarp system branded today as the SlideKit. Dedicated for steel haulers. Fleets carrying round metal coils did not need the high side corner sliding systems which caused unnecessary wind drag and decreased fuel economy. In 2010, an irregular looking but highly effective “Bullet” like nose fairing was designed to sit over top of a traditional flatbed DOT bulkhead to maximize wind drag reduction for the already sleek looking rounded top sliding tarp system. Man Doors are available as an option. Roof damage caused by heavy snow, ice or rain is rarely a threat for this round top design, which tends to be more common amongst flat top systems. Drivers immediately notice smoother road handling the first time they pull a Slide Kit over the open highways with strong cross & head winds.
Drivers comment repeatedly, “it’s like not having a trailer behind you.”

Year 2015: Windmaster™ “Original”
LCS commenced design in early 2014, and officially released at MATS Truck Show in Louisville, KY 2015 the 1st and newest aerodynamic design for a flat top sliding tarp system. The “Windmaster™ Original” was designed to replace the typical aluminum flat bulkhead most commonly seen on any retractable tarp system, with a new aerodynamic appearance. Easily identifiable with an upper profile projecting into the truck & trailer gap 32” and tapering down the sides to 10” at the deck level. The “Windmaster™ Original” unlike the 2016 Windmaster SMARTLOOK does not mount ahead of the trailer, but rather is anchored to a Heavy Duty Frame bolted to the front sill of a flatbed trailer.

Year 2017: Windmaster™ “Curve”
LCS took the Original Windmaster™ and devised yet another design that allows the upper fiberglass profile to be installed above the cab on a flatbed truck body. Perfect for those high side load covering systems where wind drag plays havoc in the safe operation of this style of equipment.

- 2010 Windmaster™ Bullet
- 2015 Windmaster™ Original
- 2016 Windmaster™ SMARTLOOK
- 2017 Windmaster™ Curve

LCS, A Driven Leader In Aerodynamic Technology
specialized goose neck & utility trailers

Richie Keith, Mega Rock Crawler Celebrity – PlowBoy XTRME OFF ROAD
Columbia, TN.

digital billboard advertising

Over the Road Advertising has become one of marketing's largest and most successful ad promotional tools and with the ability to digitally print on soft side trailers, LCS just keeps on trucking with new systems for customers that understand the Return on Investment (ROI). Richie Keith of Columbia Tennessee owns and operates a large farm by profession, but is best known as PlowBoy XTRME OFF-ROAD by passion.

Richie contacted LCS in the summer of 2016 to cover a new 36ft MAXXD GN trailer he had on order with a tilt tailgate. Richie expressed his need to keep his equipment secure and contained while traveling on location promoting numerous rock crawling events. The major advantage of a LCS load covering system over a hard side trailer is the ability to have unrestricted side and top loading abilities when those unfortunate mishaps occur on the circuit, which is key in the off-road world.

If a machine can be loaded from the side easily versus from the rear end with a winch, the driver and pit crew saves substantial time and cost. Richie and his graphic designer provided LCS with the ad campaign that would create the billboard advertising for his sponsors on all 3 sides of the cover. LCS took it one step further and promoted the fiberglass Windmaster™ as a great front end promotional opportunity with 3M digital wrap graphics.

LCS Delivers Corporate Advertising, “Over The Road”
TLX/AWL Transport, Mantua OH purchased two systems to test road handling and stability against a competitor’s flat aluminum front system. Within one week both drivers stated they would never pull any system other than an LCS Windmaster™ SMARTLOOK.

Greg Tucker of “A Wing And A Prayer Express” from Ocala Florida chose the Windmaster™ SMARTLOOK system to promote Breast Cancer Awareness across America.

b-train trailers

LCS Windmaster™ SMARTLOOK completes the front end of any open deck trailer with a smart & professionally designed aerodynamic structure. With its Patent Pending contoured design and sitting ahead of the trailer with an optimum 20°, the design team assembled by LCS has provided the flatbed trucking industry with a long over-due solution to wind drag reduction and driver safety. Call the EXPERTS today at 1-877-790-5665.

Why fleets are turning to LCS & Windmaster™ SMARTLOOK

- 10% Wind drag reduction, 5% Fuel Savings
- Windmaster™ Overlaps front car, providing better weather seal protection
- Full frontal Integration makes trailer with system LOOK like one combined unit
- Full deck length utilization with cargo control storage in the Windmaster™
Roger Price MTN Green, Utah chose the Windmaster™ SMARTLOOK for his single drop trailer to reduce wind drag and increase fuel efficiency while travelling along those open roads between California and Florida.

double drop trailers

Specializing in load covering challenges LCS is committed to deliver to the customer the best custom designed rolling tarp systems with aerodynamics always at the forefront.

The Windmaster™ SMARTLOOK ensures oversized square soft side sliding covers, typically known for increased wind drag and plummeting fuel economy, are built to enhance driver safety. LCS mission is to ensure our retractable load covering systems are on the leading edge of new aerodynamic technology.

LCS – Masters Wind Drag

LCS – Leading Aerodynamic Technology for Sliding Tarp Systems
Load Covering Solutions has one of the most extensive Install & Service networks anywhere throughout North America. LCS Field Technicians travel extensively ensuring our dealers are constantly trained, knowledgeable and ready to assist when called upon. LCS goes one step further and has successfully trained several fleets on how to install, repair and maintain their own fleet of LCS load covering systems. **LCS HAS YOU COVERED!**

**Certified LCS Install Dealers**

**Canada**
- Abbotsford, BC
- Lethbridge, AB
- Edmonton, AB
- Winnipeg, MN
- Burlington, ON

**USA**
- Portland, OR
- Seattle, WA
- Pixley, CA
- Denver CO
- Houston, TX
- Conroe, TX
- Sterling, IL
- Aurora, IL
- Minneapolis, MN
- St. Louis, MO
- Seymour, IN
- La Vergne, TN
- Winchester, TN
- Coopersville, MI
- Saginaw, MI
- Gaylord, MI
- Manatau, OH
- Blasdell, NY
- Williamsville, NY
- Bergen, NY
- Charlotte, NC
- Jefferson, LA
- Portland, ME
- Branchburg, NJ

**Australia**
- Wodonga Vic, AU

**LCS, Committed To Deliver Continuous Product Innovations!**

**NEW High Impact Bump Guard Rail**
- Patent Pending
- Rolling Track protected w/ 1-1/4” protruding lower Guard Rail.
- Sys Maintains 108” legal width.

**NEW Loc’N-Load Lock & Tensioning System**
- LNL is Patented with a Patent Pending Fixed or Detachable Handle.
- Loc’N-Load – No Post or A-Frame.

**NEW 4” Patented Light Bar Feature**
- Alum. Slide-In Undermount Extrusion with 2” LED Lights. Protected by New Bump Guard Rail.

**NEW 2” Patented Light Bar Feature**
- Alum. Slide-In Undermount Extrusion with 1” LED Lights. Protected by New Bump Guard Rail.

**LCS**

**LCT**

Division of the LCS Group of Companies. All Non-Semi Trailer System Sales are branded with the LCT Trademark Logo.

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