



A Legacy of Quality / Fall 2024

Swathmaster

WINGMAN

METERATE™

CP NOZZLES

SATLOC®

FAST
FLEXIBLE APPLICATION SYSTEM
by TRANSLAND

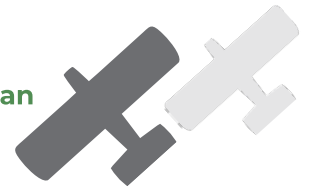
Transland
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Wichita Falls, TX 76302

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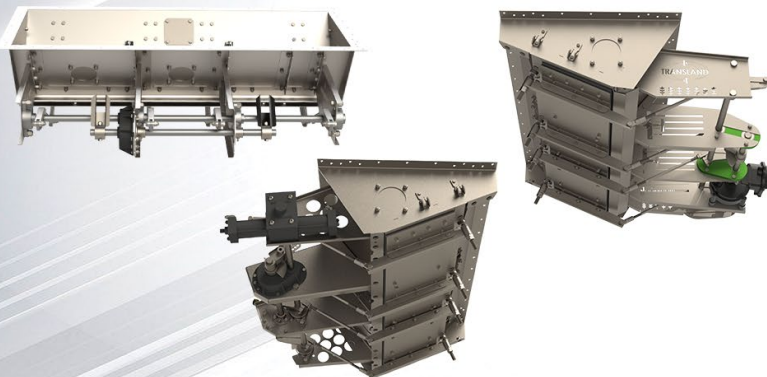
Transland Gate Box Pages

Discover the convenience of our new gate box web pages, designed to make it easier than ever to find, understand, and decide what you need. Look inside for more details!



Transland Gate Box Solutions

Versatile Control from Manual, Hydraulic, to Electric.



What You'll See on Our Website for Gate Boxes



Layout

- Pages are organized by Manual, Hydraulic, and Electric.
- Each major type of gate box is thoroughly covered, providing you with all the information you need to understand its benefits and usage details.

Precision Gate Boxes for Every Operation.



MANUAL GATE BOXES



HYDRAULIC GATE BOXES



ELECTRIC GATE BOXES

Kits and Conversion Kits

- Kits are conveniently organized by aircraft type, with major components listed for easy reference.
- Conversion kits are listed by gate box size and key features of each conversion kit.

Thrush Manual to Electric Conversion Kits

55661

5" Manual to Electric Gate Box with Satloc Connection
Kit to be used with Satloc Falcon & IF3

- Kits to Convert 5" Manual Gate Box to Electric
- All Parts Required for the Conversion are included
- User-friendly components and straightforward setup

55649

5" Manual to Electric Gate Box with Satloc Connection
Kit to be used with Satloc G4 & IF3

Air Tractor 602/802 Electric Conversion Kits

55660

5" Manual to Electric Gate Box with Satloc Connection
Kit to be used with Satloc Falcon & IF3

- Kits to Convert 5" Manual Gate Box to Electric
- All Parts Required for the Conversion are included
- User-friendly components and straightforward setup

55648

5" Manual to Electric Gate Box with Satloc Connection
Kit to be used with Satloc G4 & IF3

Accessories for Gate Boxes

- Accessories for gate boxes are listed on the main gate box page.
- Detailed information about the accessories, including descriptions of the importance of the accessories and their part numbers.

Documentation

- Easy to locate links to manuals.
- Downloadable brochures to quickly look at the major points of the gate box.

Demand Vents

Demand Vents help equalize pressure within the hopper as materials are dispensed during flight. When material is released, the internal pressure inside the hopper can decrease, potentially creating a vacuum effect that disrupts the smooth flow of materials. By allowing air to enter the hopper, Demand Vents maintain consistent internal pressure, preventing the formation of a vacuum and allowing materials to flow smoothly and evenly.

Regular maintenance and inspection of Demand Vents are essential to ensure optimal performance. Blockages, wear and tear, or damage to the vents can lead to operational disruptions and safety risks.

Transland Demand vents are available in Aluminum, Delrin, and Stainless Steel.

22711

4" Aluminum Demand Vent

22712

8" Aluminum Demand Vent

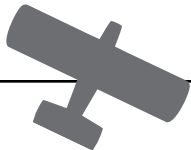
22702

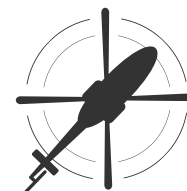
4" Delrin Demand Vent

22706

8" Delrin Demand Vent

Demand Vents





What are some of the improvements since the initial release of Satloc Falcon?



Reuse Swathing

The Reuse Swathing function allows you to pull up an old job and reuse your same A|B lines for a new job. Additionally, it will contain the same patterns and same polygons. Or, you can simply switch to a new pattern starting from the current swath line.

- Visit our YouTube channel for more information on Reuse Swathing.



Improved Tracking Calculation at Extreme Latitudes

Satloc Falcon software engineers enhanced tracking calculations at extreme latitudes, addressing the issue of converging longitude lines in regions like Canada. This update corrects the slight skewing of swath lines, providing more accurate guidance, which is particularly beneficial for forestry contract work.



Settable Logging Threshold Speed and Logging Rate Options

Logging Interval - Pilots can set different intervals for logging data during spray operations and non-spraying flights using the Satloc Falcon GPS system. This allows for customized data capture based on the activity.

Spray Logging Interval and No Spray Logging Interval settings determine how often the system logs data, allowing pilots to control the density of the log data during different flight operations.

Logging Speed - This setting specifies the minimum speed at which the aircraft must be traveling for the system to log data. The default threshold is 45 mph. If the aircraft's speed drops below this value, logging pauses until the minimum speed is reached again.

- Visit our YouTube channel for more information on Logging Intervals.

*This may require a firmware update. Please contact your local dealer for more information.



Improved Transland Electric Gate Performance and User Information*

We've refined the Satloc Falcon software to enhance communication with Transland's electric gate, particularly in less common scenarios where transmitting current load information helps prevent motor overworking. This update is part of our ongoing commitment to improving our software for better performance across all applications.



Day/Night Mode Includes L8 Color Scheme*

Enhancements were made to the outside lines and inner circle of the L8 by allowing users to change the color to red, green, blue, or white. This is especially beneficial for pilots who fly at night. This setting can be changed by following this path: Menu > Lightbar > Lightbar Setup.

Contact your local Dealer for ordering information.

Enhancing Forest Management with Accu-Flo Nozzles in Helicopter Applications

Case Study: Alberta's Forestry Management Success



In Alberta, Canada, the Accu-Flo nozzles have been instrumental in reducing herbicide excursion intensity—a key metric used to assess the effectiveness of drift control measures. As detailed in the review of herbicide use for forest management in Alberta, the adoption of Accu-Flo nozzles, along with improved techniques for estimating wind speed at spray release height, has been associated with a significant decline in herbicide excursions since the early 2000s.

The use of these nozzles in combination with advanced modeling tools like Ag-Drift and SprayAdvisor has allowed for more precise predictions of spray behavior, leading to better risk mitigation strategies.

For more information about this case study, visit www.cpnozzles.com and click on the 'Resources' tab.

Reference: Mihajlovich, M., Odsen, S., & Chicoine, D. (2012). "Review of Herbicide Use for Forest Management in Alberta, 1995–2009." *The Forestry Chronicle*, 88(3), 328-339.

Employee Spotlight

Transland Welcomes Mike Elyea: Strengthening Our Team with Leadership and Community Dedication



Transland welcomes Mike Elyea as our Operations Manager. Raised a Wichitan, Mike reflects our community's desire to promote excellence and good citizenship. After a 25-year hiatus in the US Navy, he happily returned with his family to his hometown of Wichita Falls. While in the Navy, he met and married his wife, Natalie, who hails from New Orleans. They met in Biloxi, Mississippi, while he was stationed there. Mike and Natalie have four children — two attend Wichita Falls ISD, one attends MSU, and their oldest is an MSU alumnus who is also married. One of Mike's goals in returning to Wichita Falls is to make a difference in our community.

During Mike's time in the Navy, he focused on project management in the construction world. Over the course of his Navy tenure, he supervised 12 to 15 teams of 30 to 50 people

around the world. Depending on the project requirements, these domestic and international teams built things from roads to orphanages. Mike's work experiences allowed him to develop skills in logistics, team leadership, and analytical thinking.

We are excited to see how Mike's unique blend of professional expertise and personal commitment will contribute to our team and our community.