

THE LifeMark[®]-400 AUTOMATED LAYOUT & RE-STRIPE SYSTEM

is a fully integrated pavement marking system that combines advanced auto layout capability with intelligent, operator-assist auto re-striping — all in one vehicle-mounted package.

With GPS/RTK guidance, high-definition cameras, and Al-driven processing, the LifeMark-400 streamlines both new layout and re-stripe work. In straightforward applications with clear markings and simple patterns, it can operate in Full Auto mode. When faced with low-contrast lines, complex designs, or variable conditions, operators can instantly switch to Semi-Auto or Manual modes for full control.

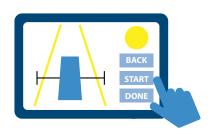
The LifeMark-400 is designed to work with your crew, reducing workload, improving accuracy, and increasing productivity — while keeping experienced stripers in command.

PRODUCT FEATURES

- Perform both new layout and operator-assist restriping with one system.
- Automatically position carriages and control paint and glass bead guns for single, double, or skip lines.
- Specify stripe skip length, and cycle length or match existing markings.
- Three selectable operating modes: Full Auto, Semi-Auto, Manual.
- Real-time carriage location calculation with GPS + Al auidance.
- In-cab monitoring for immediate operator oversight and adjustments.

How It Works

- 1. Layout Mode: GPS/RTK and AI process position data to place markings exactly to recorded coordinates or project specifications.
- 2. Re-Stripe Mode: Cameras scan existing markings, Al aligns carriage position, and guns fire at precise timing points.
- 3. Operator Oversight: In-cab touchscreen provides live monitoring and instant switching between Auto, Semi-Auto, and Manual.



Touchscreen Control Monitor

An in-cab monitor provides a central command center for all layout and re-stripe functions, with intuitive menus and live video feeds so operators can monitor performance and make instant adjustments.





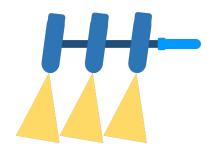
Dual GPS/RTK Antennas with Inertial Navigation System

Delivers centimeter-level positioning accuracy, ensuring every line is placed exactly where it's intended, even over long distances and in challenging environments.



Hydraulic Valve Body for Precision Carriage Control

Regulates carriage movement smoothly and reliably, giving both automation and manual input exact control over lateral positioning.



Smart Carriage Cylinders with Position Sensors

Continuously report carriage location to the control system, allowing precise, automated adjustments for accurate line placement.



Dual Overview Cameras & Carriage Cameras

Give operators a clear visual reference of the truck's lane position and the paint gun's alignment over markings, improving accuracy and enabling quick corrections when needed.



Onboard AI Computer System

In Weather-Sealed Cabinet Processes camera and GPS data in real time to control carriage position and gun timing, all while being protected from dust, moisture, and vibration for dependable operation.

LIFEMARK $^{\text{\tiny{B}}}$ -400 INSTALLATION PROCEDURES FOR AN EXIGSTING PAVEMENT MARKING PAINT TRUCK

- A visit is typically required to survey the truck and to propose location choices for each component. Once options are finalized, drawings are completed and shared for final approval. Custom parts are ordered based on the truck requirements.
- The assembly time required for the mechanical, hydraulic, and electrical components is dependent on truck and customer requirements.



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