

Libra™

Streamline Your Asphalt Operations

Libra's delivers unmatched accuracy and efficiency across batching, drum control, and loadout operations. Designed for flexibility and scalability, Libra equips asphalt producers with the tools to enhance productivity, minimize downtime, and optimize every step of the production process.

Batch Control

The Libra Asphalt Batch system offers precise control helping you achieve superior quality and streamlined operations. Its user-friendly, configurable design allows you to customize fields, reports, and transaction screens to suit your needs. With simultaneous operation capabilities, you can manage multiple tasks, such as batching and weighing, without delay

Drum Control

Libra Asphalt Drum Controls provide real-time insights into plant operations, enabling quick adjustments and minimizing downtime. Its graphic operator interface simplifies monitoring of critical parameters, such as valve statuses, material flow, and tank levels. With predictive maintenance tools, you can address issues before they impact production.

Loadout Control

The Libra Overhead Loadout system manages all truck loading functions with unparalleled accuracy. Operate multiple silos simultaneously to meet production demands, while user-friendly interfaces and visual silo level displays ensure seamless operations. Enhanced safety features, including the Silo Safety System and infrared sensors, protect personnel, and prevent material loss.

Libra: A Comprehensive Solution

Libra optimizes every aspect of asphalt production—batching, drum control, and loadout—with seamless integration to Apex advanced scale ticketing software. Its configurable, user-friendly design adapts to plants of any size, while advanced safety features, predictive maintenance, and streamlined workflows help maximize uptime, enhance safety, and deliver consistent results.



Key Takeaways

- Single platform for batch, loadout, and ticketing
- Highly flexibility and configureable system
- Graphic interface for real-time monitoring
- Predictive tools to prevent downtime
- Stand alone Silo Safety System add-on



Libra Asphalt Drum Controls

Libra Asphalt Drum Controls monitor your plant around the clock, alerting operators to potential issues before they escalate and notifying them of preventive maintenance windows to minimize downtime and ensure efficient operations.

Visualization & Dashboards

- Completely visualized approach to monitoring your plant
- Dynamic, color-coded graphics provide at-a-glance status pertaining to valve changes, material flow, tank levels, temperatures, interlocks, and any alarm conditions'
- Delays and timing are displayed over a graphic representation of material flow and plant layout, helping to prevent errors and misinterpretation.
- Integrated management dashboards

Configurable

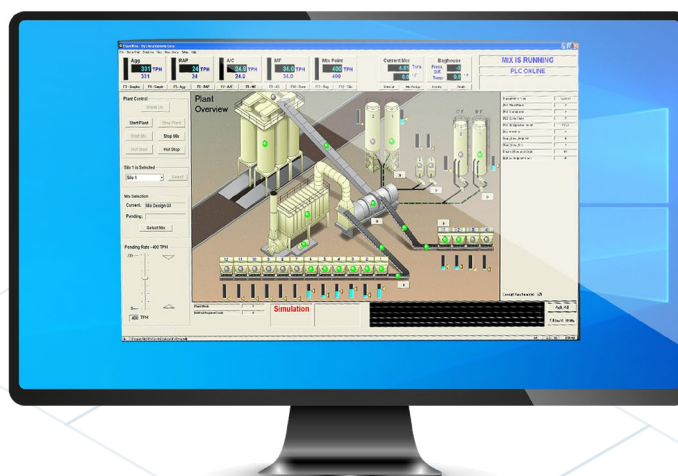
- Highly configurable designed tailored to current and future plant control requirements
- Design custom software switches and create reports
- Adaptability for retrofit or total plant control of nearly any plant
- Use for total plant control or manual blending

Production Controls

- Automatic AC tank switching controls all fill, return, and supply valves, as well as the AC pump and truck unloading.
- Tank levels are monitored, including critical limits.
- Manual control of heaters, agitators, etc. can be turned on and off through the software.
- Monitor motor currents and plant parameters to optimize efficiencies and allow predictive maintenance

Calibrations

- Ease difficult and time-consuming calibrations
- Multiple calibrations per bin





Libra Asphalt Batch Controls

Libra Asphalt Batch Controls deliver exceptional speed and precision, optimizing batching processes for consistent results. With accurate measurements and streamlined workflows, the system enhances productivity and ensures superior product quality.

Production Controls

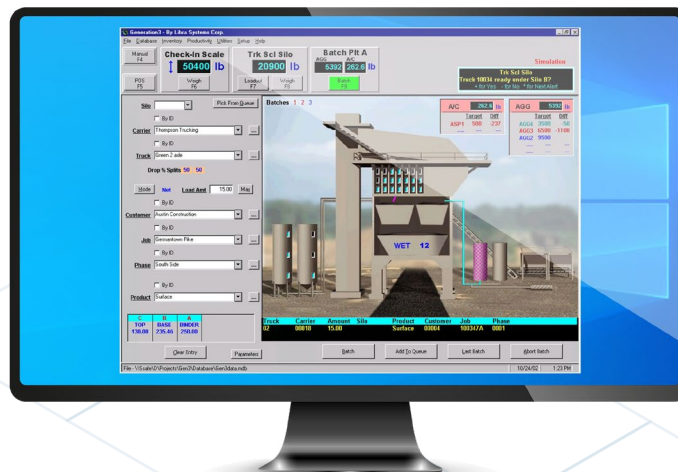
- Precision and flexible timing controls help maintain accurate and efficient batching by scheduling actions with precision timing.
- Self-Learning system adjusts automatically to account for material flow characteristics, enhancing batching accuracy and minimizing waste without manual intervention.
- Configurable admin controls prevent unauthorized or erroneous actions by setting specific parameters for when operations can be enabled or disabled.

Configurable

- Customize system fields to fit specific operational requirements, enabling data entry that aligns with unique workflows and industry needs.
- Tailor transaction screens to display only the most relevant information
- Create custom reports, pulling from relevant data to provide actionable insights

Integrated Approach

- Communicate with other Command Alkon systems, the back office, or third-party application.
- Single platform for Batch, Loadout, and Ticketing
- Ensure seamless data sharing and operational alignment across your organization with robust integration capabilities.
- Modular Design
- Upgrade system components easily to keep your operations running with the latest technology, ensuring scalability and minimal downtime during transitions.





Libra Loadout

Better loadout management streamlines delivery scheduling, enabling plants to align deliveries with production needs. This improved control helps reduce costs, optimize inventories, and enhance overall operational efficiency, contributing to smoother workflows and greater customer satisfaction.

Loadout Controls

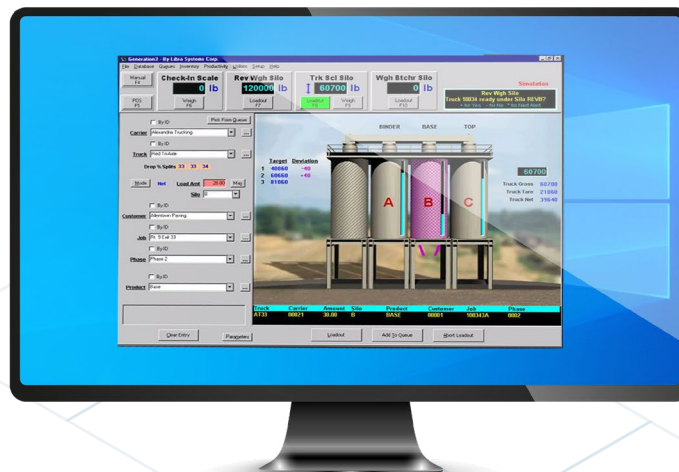
- Optimize production efficiency by allowing multiple scales to operate simultaneously, reducing bottlenecks.
- Manage two or more silos at the same time.
- Enhance safety by adding the Silo Safety System, which prevents accidents, protects drivers and vehicles, and minimizes material loss during loadout.

Visualization

- Simplifies navigation for operators with a user-friendly, point-and-click interface that reduces errors, increases productivity, and streamlines training.
- Provides real-time visual updates of asphalt loading as scale gross weight increases, ensuring precise monitoring and accurate loadout operations.
- Displays silo levels clearly, giving operators a complete view of inventory to meet order requirements efficiently.

Flexibility

- Supports both positive and negative weigh options, allowing the system to adapt to a wide range of operational requirements.
- Enables the creation of custom fields for any record, providing flexibility in data management to suit specific workflows.
- Facilitates on-screen database changes for quick updates, reducing downtime and improving operational agility.
- Offers configurable exports to ERP systems, ensuring seamless integration with business processes and improved data flow.





Silo Safety

The Silo Safety System protects drivers, vehicles, and materials in overhead loadout operations. Designed to eliminate accidents and material loss, it works as a standalone add-on for any overhead loadout system, including Libra, Apex, COMMANDbatch, or third-party systems.

Improve Safety & Prevent Loss

- Prevents silo gates from activating when vehicles are improperly positioned, avoiding risks to drivers, equipment damage, material waste, and downtime.

Easy-to-Understand Visuals

- Fully graphic touchscreen display provides clear visuals of sensor and silo gate activation.
- Available as a standalone pedestal, desktop display, or panel-mounted option

Flexible for Any System

- Works with asphalt, aggregate, or ready-mix loadout scenarios.
- Standalone system integrates with any loadout automation setup.
- Manual override mode allows safe operation for non-standard setups, with redundant interlocks for added safety.

Maintenance Made Easy

- Real-time alerts identify potential sensor issues, enabling quick diagnosis and reducing downtime.

Features

- Infrared sensors detect vehicle positioning.
- Standalone touchscreen display for monitoring and control.
- Automated and manual operation modes.
- Real-time sensor defect alerts.
- Compatible with Libra, Apex, COMMANDbatch, and third-party systems.

