

A woman with dark curly hair, wearing a blue polo shirt and a black strap across her chest, is in a warehouse. She is holding a black handheld scanner in her right hand, pointing it at a cardboard box on a shelf. In her left hand, she holds a black tablet. The background shows blue metal shelving units filled with various boxes and supplies.

SUPPLY CHAIN WORKFLOWS



BlueCherry[®] Shop Floor Control (SFC)

Smarter floors, faster output, stronger margins

PRODUCT OVERVIEW

In the modern fashion supply chain, speed and precision are no longer optional; they are essential survival tools. BlueCherry Shop Floor Control (SFC) gives apparel, footwear, lifestyle, and home goods manufacturers the real-time visibility and control they need to deliver quality, accuracy, and efficiency at scale.

Purpose-built for fashion, BlueCherry SFC connects every operator, line, and machine in real time to eliminate blind spots, reduce downtime, and provide production leaders with instant insight into performance, quality, and labor efficiency.

Now enhanced as part of BlueCherry's always-on, AI-augmented supply chain, SFC moves beyond tracking and monitoring. It anticipates issues before they happen, automates decision-making, and continuously learns to improve operations shift after shift. Delivered with real-time connectivity that transforms visibility into speed, precision, and profitability.



BlueCherry SFC: Today's workday



7:00 AM
Real-time readiness

The Production Manager logs into the BlueCherry® Shop Floor Control dashboard from a tablet before the shift begins. A single interface displays live KPIs, showcasing production throughput, WIP status, line efficiency, and absenteeism, across multiple facilities. Any overnight machine downtime or labor issues are flagged immediately, enabling proactive decision-making before the day starts.



9:00 AM
Monitoring live operations

As production ramps up, BlueCherry's real-time data feeds allow the manager to view operator performance, station bottlenecks, and quality checkpoints. Smart workstations on the floor display task instructions and assembly videos, while IoT-enabled devices automatically feed output data to the cloud. Manual logging is eliminated, and productivity tracking is instant and visible to both workers and supervisors.



PRODUCT OVERVIEW



11:30 AM

Resolving bottlenecks

An alert from the system shows a slowdown on Line 3. The dashboard pinpoints the cause – thread tension inconsistency in one machine. The issue is addressed within minutes. This real-time responsiveness avoids a full-line stoppage and protects the production schedule.



2:00 PM

Analyzing performance and compliance

Integrated BI tools generate daily analytics for operator efficiency, material usage, and on-time order production. Compliance metrics are visible at-a-glance, giving assurance that labor standards and wage transparency meet retailer and government mandates.



4:30 PM

End-of-day optimization

At shift close, the Production Manager exports a performance summary automatically linked to ERP and payroll systems. Machine utilization, rework percentages, and incentive pay are calculated instantly, giving leadership visibility into cost, quality, and workforce engagement.



Result:

BlueCherry SFC turns disconnected, reactive production environments into connected, data-driven operations to improve efficiency, empower teams, and reduce downtime.

BlueCherry SFC: The future workday – powered by AI



7:00 AM

Predictive start, not reactive

AI agents within BlueCherry SFC generate a morning forecast that predicts where bottlenecks are likely to occur based on machine learning models trained on historical data, environmental conditions, and production mix. The system automatically adjusts line assignments to balance workloads before the first piece is sewn.



9:00 AM

Autonomous visibility and insights

Instead of simply tracking performance, the AI layer interprets it. The system highlights which operators may require skill-based retraining, suggests micro-breaks to avoid fatigue-related quality dips, and dynamically reprioritizes high-value orders if an urgent request comes in from a retailer.



PRODUCT OVERVIEW



11:00 AM

AI-driven root cause resolution

A variance in stitching quality triggers an AI notification. The system correlates the data with machine vibration sensors and identifies the probable cause to be a calibration drift on Machine #47. A maintenance ticket is automatically created, and a replacement workstation is suggested to maintain output continuity.



2:30 PM

Adaptive workforce and compliance intelligence

BlueCherry's AI monitors shift productivity, incentive structures, and labor-law thresholds. It recommends optimized operator scheduling to stay compliant while maximizing output. For multi-country operations, AI ensures all facilities maintain ethical standards and consistent compensation reporting across global factories.



PRODUCT OVERVIEW



4:00 PM

Strategic insights, not just data

AI-enhanced analytics provide the Production Manager with forward-looking insights about which lines are likely to overperform, which vendors deliver consistently on time, and how material usage correlates to cost variance. Scenario modeling forecasts the impact of order changes or raw-material shortages in real time.



5:00 PM

Continuous learning loop

Before logging off, the Production Manager reviews a personalized “Tomorrow’s Outlook” dashboard: predictive maintenance actions, staff performance patterns, and material availability. The AI models refine themselves daily, improving precision and efficiency over time.

Result:

With AI augmentation, BlueCherry SFC evolves from visibility and control to predictive orchestration. The Production Manager transitions from managing problems to managing foresight and enables higher productivity, lower cost, stronger compliance, and a smarter, self-learning factory network.



Why BlueCherry SFC?

BlueCherry SFC transforms factory floors into connected, intelligent ecosystems that deliver measurable ROI across every shift and site.

- **Purpose-built for fashion:** Designed for apparel, footwear, uniforms, and home goods – not repurposed generic manufacturing tools.
- **Always-on visibility:** Instant data, anywhere, anytime – enabling proactive management.
- **AI-augmented intelligence:** Anticipates disruption, recommends action, and continuously learns.
- **Seamless integration:** Unified with BlueCherry ERP, PLM, ESG, and Shop Floor Control – for a complete digital thread from design to delivery.
- **Scalable, secure, and global:** Cloud-based infrastructure built to scale with multi-facility operations.

Take the next step

In an industry where every minute matters, BlueCherry SFC turns time into a competitive advantage.

For more information, visit bluecherry.com or contact us at bluecherry@cgsinc.com.



The right fit