



## Driving Efficiency at UFP Jeffersonville, IN: A Showcase of Advanced Material Handling Solutions

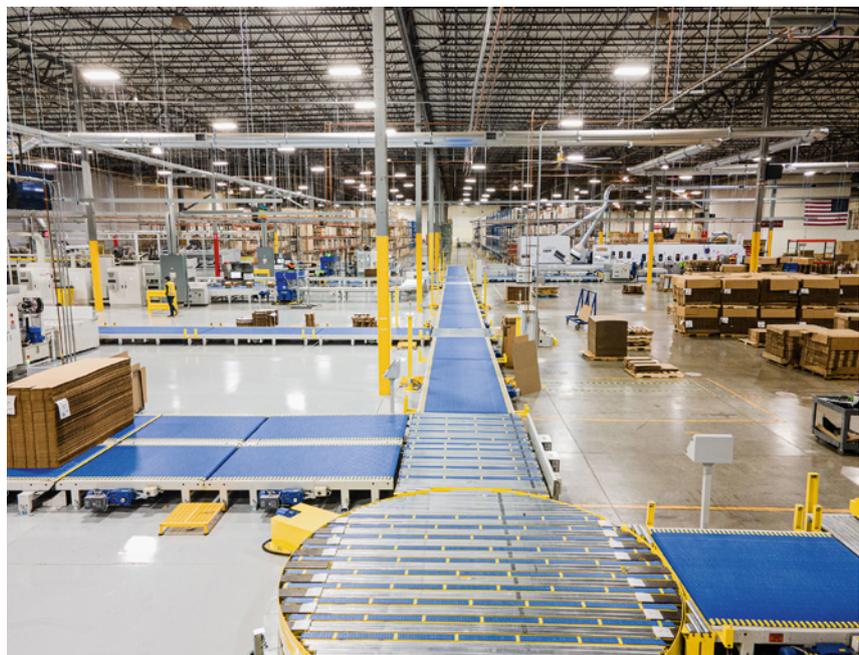
At UFP Jeffersonville, IN, operational excellence is more than a goal – it’s a commitment. WSA-USA’s latest project exemplifies this dedication by integrating cutting-edge pre-feeders, load formers, and bundle breaker equipment alongside a full suite of material handling systems designed to streamline production, enhance safety, and maximise throughput.

### Optimised Workflow through Comprehensive Material Handling

Material handling is the backbone of any manufacturing operation, and at Jeffersonville, WSA-USA have implemented a system that ensures seamless movement from raw material intake to finished product dispatch. The solution includes:

- **Automated conveying systems:** high-performance conveyors

reduce manual handling, minimise downtime, and maintain consistent product flow across multiple production lines.



- **Stacking and bundle handling equipment:** intelligent bundle handling equipment to organise materials efficiently and end of line stacking solutions to palletise units into neat finished units reducing bottlenecks and improving overall cycle times.

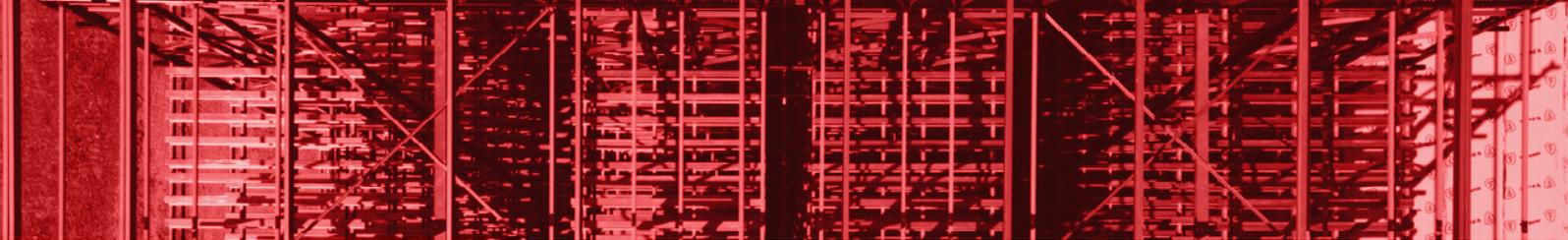
- **Integrated control systems:** centralised controls allow operators to monitor and adjust processes in real time, ensuring precision and adaptability.

This holistic approach not only accelerates production but also reduces labour strain, creating a safer and more ergonomic environment for our team.

### Peripheral Equipment

Peripheral equipment plays a critical role in supporting primary operations. At Jeffersonville, WSA-USA deployed advanced peripherals that complement their material handling systems:

- **Pre-feeders:** these units ensure a continuous and controlled supply



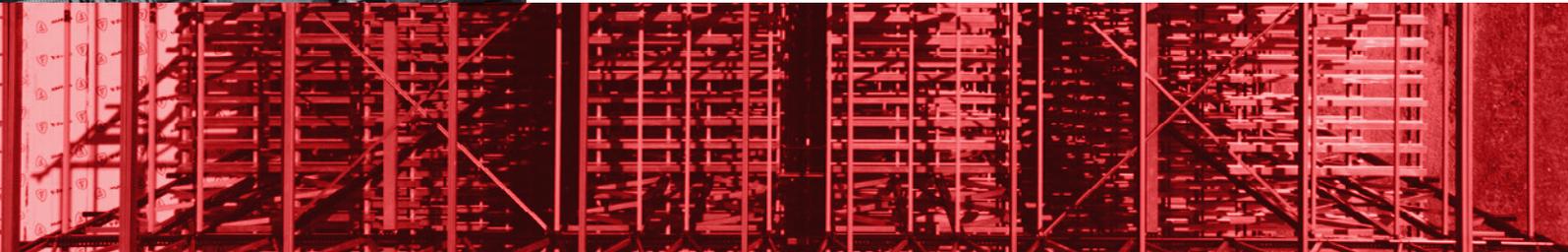
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of materials to the production line, reducing downtime and maintaining optimal flow.

- **Load formers:** designed for precision and efficiency, load formers create stable, uniform loads that simplify downstream handling and improve overall safety.
- **Bundle breakers:** essential for optimising rotary die-cutter throughput capacity and separating bundled materials into manageable units, bundle breakers enhance productivity, flexibility and speed in processing, ensuring smooth transitions between stages.

These peripherals are strategically integrated to enhance efficiency without compromising flexibility, allowing us to adapt quickly to changing production demands.

### Safety and Sustainability at the Forefront

Every piece of equipment installed at Jeffersonville meets rigorous safety standards. From automated guards to emergency stop systems, WSA-USA prioritise the well-being of the workforce. Additionally, energy-efficient motors and optimised layouts reduce power consumption, aligning with UFP's sustainability goals.

### The Impact: Measurable Gains

Since implementing these systems, UFP Jeffersonville has seen significant improvements:

- **Throughput increase:** faster material flow and reduced downtime have boosted overall productivity.
- **Labour efficiency:** automation has minimised repetitive tasks, allowing skilled workers to focus on higher-value activities.
- **Quality assurance:** consistent handling and precision equipment ensure superior product quality.

### Looking Ahead

This project is more than an upgrade – it's a blueprint for the future of UFP operations. By combining robust material handling systems with advanced peripheral equipment like pre-feeders, load formers, and bundle breakers, WSA-USA are helping set new standards for efficiency, safety, and sustainability.