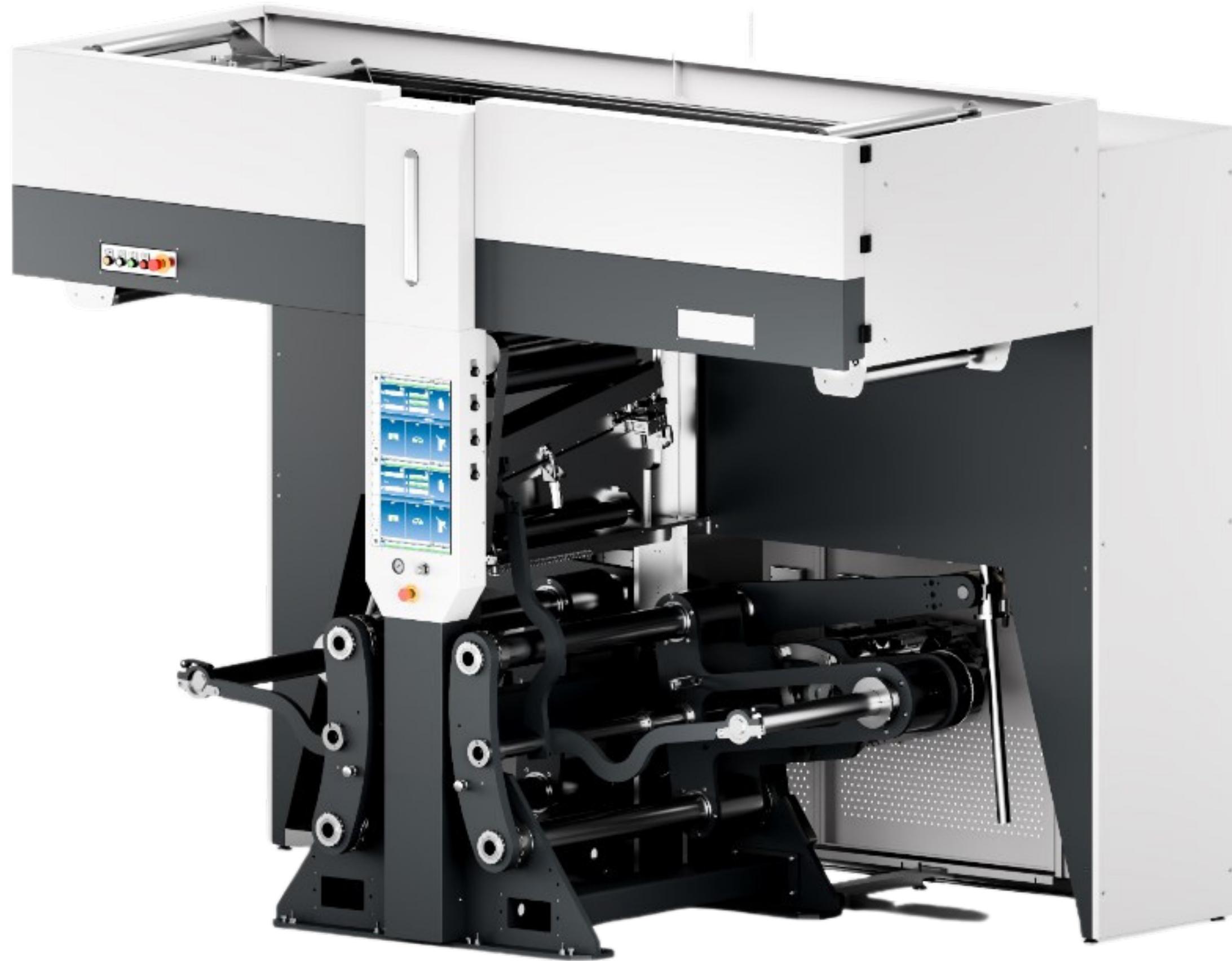


Zero Speed Automatic Splicer ZSS23

The ZSS 23 Zero Speed Splicer is engineered to ensure uninterrupted production on Digital Presses or Roll Fed Finishing Lines by automatically performing butt splices at full web speed. This technology eliminates press or finishing line stoppages during roll changes, boosting overall productivity. The splicer is installed at the start of Digital Press or Roll-fed Finishing Line. During the splice cycle, a festoon is utilized as a buffer to feed the web to the press or finishing line, the expiring roll is decelerated to zero speed while the splice to a new roll is performed. Makeready time for roll changes is greatly reduced because the roll can be prepared in advance while the current roll is expiring, then spliced in immediately for continuous operation.



Key Benefits

- Continuous Production:** Eliminates line stoppages during roll changes, increasing uptime and productivity by reducing downtime associated with using a manual unwinder for roll changes.
- Enhanced Efficiency:** Reduces makeready time, as the next roll can be prepared while the current job is running and then spliced in automatically saving approximately 10–15 minutes per roll change compared to a manual unwinder.
- Simplified Roll Handling:** Features a shaftless design and floor-level loading, which eliminates the heavy lifting and costly overhead hoists associated with conventional systems.
- Reduced Waste:** Automatic splicing minimizes material waste that occurs when stopping and starting the press or line for roll changes.
- Precise Web Control:** Maintains constant web tension and precise lateral web positioning for consistent, high-quality output.
- User-Friendly Operation:** An intuitive color HMI and automated functions provide a straightforward operator experience.
- Easy Installation:** The fully integrated, all-in-one design streamlines installation and minimizes on-site component rigging.

Specifications

- Maximum Splicing Speed: 600 fpm (185 m/min)
- Maximum Web Width: Up to 23 inches (585mm)
- Minimum Web Width: 10 inches (254 mm)
- Maximum Roll Diameter: 52 inches (1270 mm)
- Maximum Roll Weight: 2000 lbs (910 kg)
- Roll Core Inside Diameter: 3 inches (76 mm) standard (up to 6 inches optionally available)
- Material: Paper, 30 to 100 pounds
- Splice Type: Butt, in register
- Utilities:
 - Power: 480 VAC, 3 phase, 100 AMP, 50/60 Hz
 - High-Pressure Air: 80–90 PSI