



AUTOMATIC ROLL LOADING SYSTEM

Increase splice efficiency, reduce labor requirements and improve safety.

Varying in size and weight, the material rolls used in production can be difficult to handle. Manually loading materials is labor-intensive and can slow down production. And errors made in splice setup can be costly. The JOA® Automatic Roll Loading System (ARLS) automates the entire roll loading process—from roll retrieval to core disposal, all at machine speed.



How the Automatic Roll Loading System (ARLS) works.

1. Senses when a turret runs low on material.
2. Retrieves the correct full roll.
3. Removes the empty roll core, loads the new material roll onto the JOA® turret and releases the core into a recycling receptacle.
4. Retrieves a new material roll for loading the next turret, with the ability to load rolls onto multiple JOA® turrets.

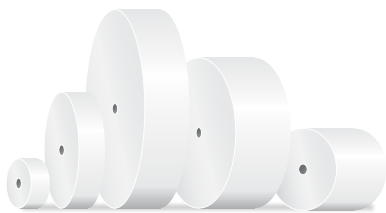
Eliminate manual tasks.

Automation increases production efficiency and enables longer run times by replacing time-consuming manual tasks.



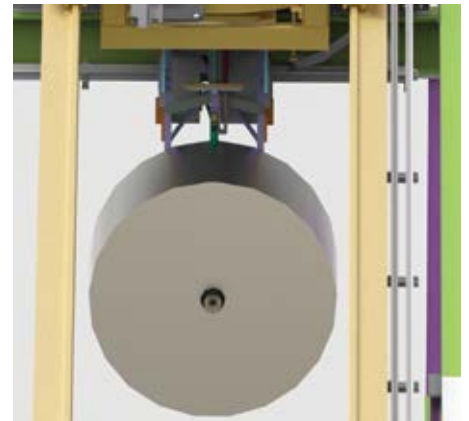
Improve operator safety.

No personnel are required to lift material rolls. Whether rolls are heavy and wide or narrow and unstable, the ARLS accommodates the variety of materials used to make your products, handling each size with ease.



Custom-designed to your machine and space.

Every ARLS is configured to your production environment and material needs. JOA completes an application and plant layout analysis to ensure optimal configuration. The ARLS can be floor mounted or mounted on the JOA® two-level Mechanical Equipment Platform and move between the two levels to load and unload the material.



Integrations ensure quality and maximum efficiency.

- Raw material scheduler—automatically determines which turret unwind should be loaded next.
- Eliminate human error—material splices happen consistently at production speed with JOA® turret unwinds.
- Minimize waste—our Low Roll Splice Initiation System ensures splices occur with minimal material remaining on the roll core.
- Avoid costly issues—prevent machine downtime, defective products, and waste downstream by avoiding unexpected depletion of material rolls.

Upgrade kit available for seamless integration.

The ARLS can be integrated into existing machines, regardless of the original manufacturer, with minimal downtime.



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