

ROLLOAD®

Automated Roll Handling System



Maintain Production Speeds, Reduce Paper Waste



Paper is 50%-80% of total web printing costs. A small reduction in paper waste can significantly improve profits. Major causes of waste include damage from manual roll handling and transit, as well as storing/moving unwrapped rolls on the floor. Web breaks from poor splice preparation are another avoidable cause of waste.

One of the best ways to avoid these problems and the loss they cause is the MEGTEC ROLLOAD Roll Handling System. ROLLOAD Systems have proved effective and efficient, resulting in savings in dozens of installations.

The bottom line is process knowledge

ROLLOAD®

Automated Roll Handling System



Roll preparation station



Roll dolly conveyor system



Finished roll staging

Performance Benefits

- Reduces Paper Waste and Damage
- Increases Flexibility in Personnel Allocation
- Improves Inventory Management and Control
- Enhances Workplace Safety and Efficiency

ROLLOAD, the Effective Solution

ROLLOAD is a modular automation system that easily adapts to a wide range of press operations. ROLLOAD offers a choice in automation levels—from manual to “100% no operator presence” roll loading. As needs dictate, the system can be upgraded or expanded. If your requirements change in the future, ROLLOAD can economically change with them.

Increased Pressroom Flexibility

ROLLOAD reduces operator involvement in the handling and loading process by at least 50%. Multiple rolls can be prepared in batches which frees the operator for other duties without having to return to the splicer/paster every few minutes. Pressroom staffing becomes more flexible. Personnel can be assigned to tasks that add value and improve operations.

Safer Work Environments

Automated roll handling improves workplace safety. Pressroom personnel do not have to lift, push or manipulate heavy rolls, carts or shafts. The danger of physical strain is virtually eliminated. The pressroom is cleaner and more organized, which also enhances workplace safety.

Improved Paper Management

ROLLOAD facilitates accurate record-keeping and inventory management. The system can communicate directly with your central computer, providing instant access to inventory status and communications with a paper management information system. Available bar code reading and paper weighing help take full advantage of the benefits automated record-keeping provides.

The DLP/DLC Advantage

For maximum functional performance and efficiency benefits, the ROLLOAD needs to work with an advanced matched-speed splicing system. The MEGTEC DLP and DLC flying pasters are designed specifically for this purpose. Ask your MEGTEC representative for further information about the products.

Ease of Installation

ROLLOAD is prepiped, prewired, assembled and tested at the factory. The system is delivered in large modules for easy installation with a minimum of on-site wiring.



Motorized turn tables



Transfer cart



Core basket

1 Roll Preparation Station

Off-press roll stripping, and inspection stations eliminate the need for roll slab off to insure roll quality. Roll stripping stations allow the operator to rotate the paper roll while inspecting the roll surface for quality. White paper is stripped off only if necessary.

2 Roll Dolly Conveyor System

Gull winged roll dollies capture paper rolls and provide a stable platform during conveying process. AC motors and drives provide smooth acceleration from section to section with accurate positioning for roll staging and loading.

3 Finished Roll Staging

Motorized conveying sections provide multiple roll staging positions. Rolls remain in the staging area until required by the automatic splicer.

4 Motorized Turn Tables

Motorized turn tables automatically provide correct unwind orientation for turret splicers.

5 Transfer Cart

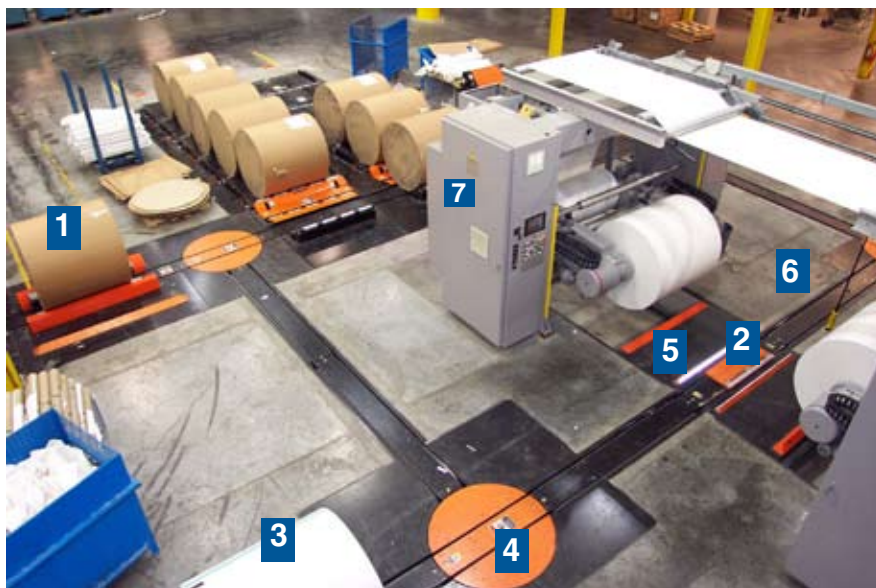
The transfer table provides smooth and accurate roll positioning to the turret arm load position. The splicer PLC controls all functions of the transfer cart.

6 Core Basket

The roll splicer automatically controls core removal in one of the above outlined methods. Traditional core basket, hinged dolly top into a core elevator where cores are deposited in a waste container or a simple hinged dolly that rotates and deposits empty cores onto floor surface.

7 PLC Control

The ROLLOAD PLC automatically controls the system. Minimal operator attention is required.



ROLLOAD..

- Proven, reliable technology with low maintenance
- Simple, centralized roll preparation and transport
- Fast cycle time



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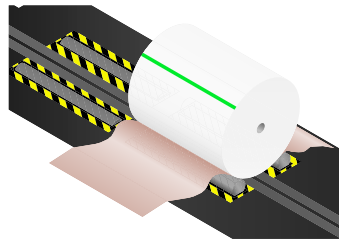
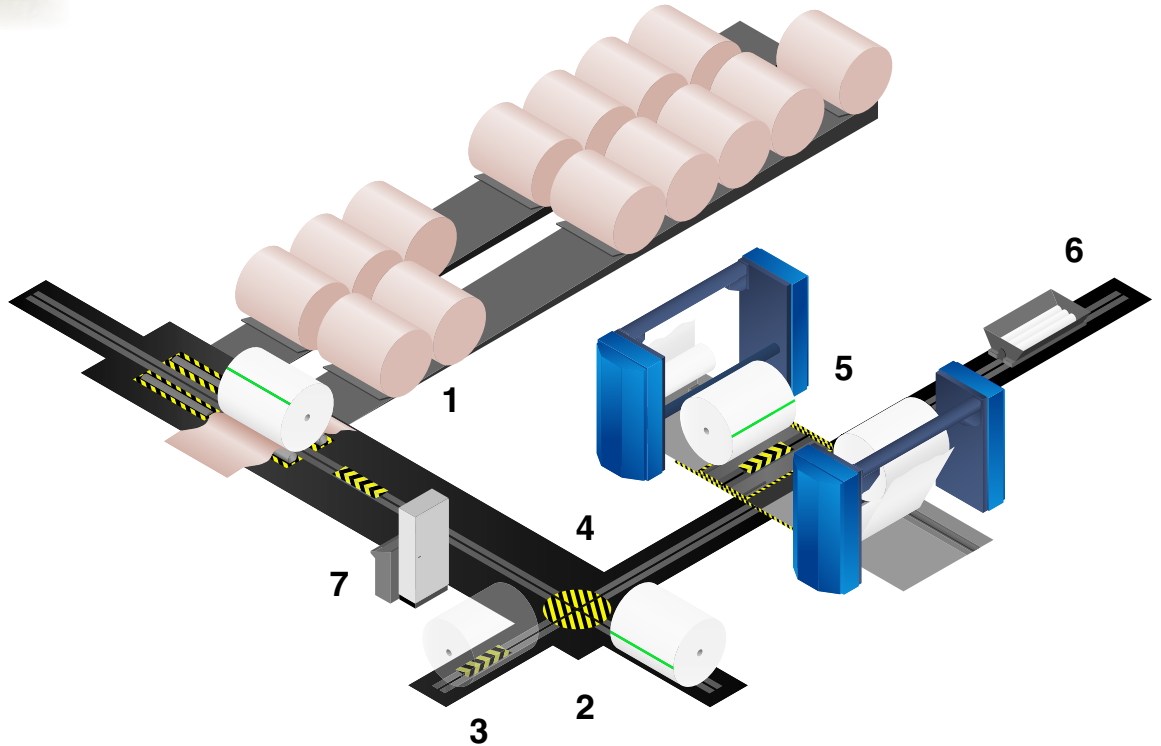
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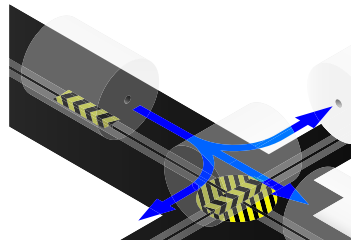
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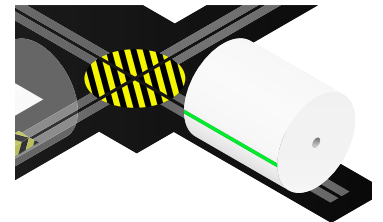
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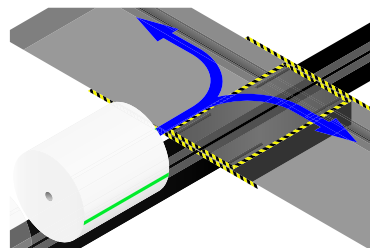
1) Simple roll preparation station



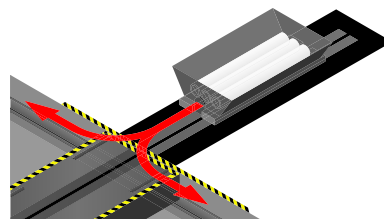
2) Smooth ride trolleys
3) Turntable



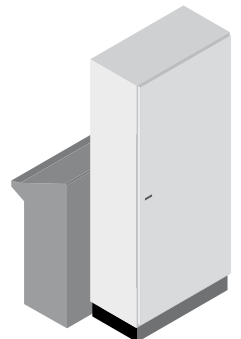
4) Holding station



5) Transfer cart



6) Core basket



7) Control