

## Festoon Motorized Movement

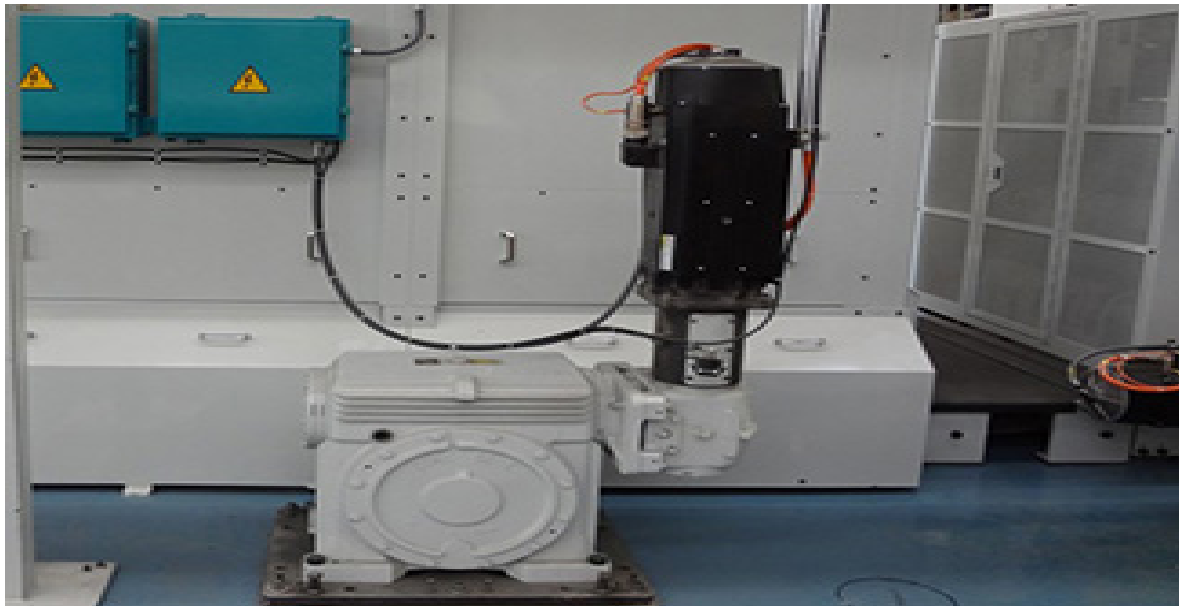
TIP Z022B-0001

*Festoon*

### Benefits:

- Cost Effective upgrade to decrease obsolescence of Hydraulic cylinder
- Improves performance by maintaining tension during splices

|                |                          |
|----------------|--------------------------|
| Safety         | <input type="checkbox"/> |
| Obsolescence   | <input type="checkbox"/> |
| Quality        | <input type="checkbox"/> |
| Cost Reduction | <input type="checkbox"/> |
| Performance    | <input type="checkbox"/> |
| Maintenance    | <input type="checkbox"/> |



Revised Design

## Festoon Motorized Movement

**Machine Model for Improvement:** All Zerand Hydraulic Festoons

### Description of Improvement:

This improvement replaces the main festoon hydraulic cylinder motion with a servo motor and drive system. The servo motor allows the festoon carriage speed to be regulated throughout the splice cycle to minimize the tension variation of the web when splicing. This improvement utilizes the existing chain support system in the festoon while driving the pinion shaft to control the carriage position.

# Festoon Motoized Movement

## Included in this TIP:

- All required parts
- Necessary engineering
- Updated documentation pages for relevant sections

## Estimated downtime, no production:

- 10 days

## Estimated startup, limited production:

- 3 day

## Estimated monitoring in production:

- 2 day

## Required manpower:

- 1 BW Papersystems Mechanical Field Service Engineer
- 1 BW Papersystems Electrical Engineer
- Additional Assistance from Customers' Maintenance

(Additional local resources to be determined, if needed)

**How can we help you? Please do not hesitate to contact us for any questions regarding our comprehensive Customer Service offerings:**

### TIPs/Upgrades:

- [tips.zerand@bwpapersystems.com](mailto:tips.zerand@bwpapersystems.com)

### Spare Parts:

- [zerandparts@bwpapersystems.com](mailto:zerandparts@bwpapersystems.com)

### Service Requests:

- [zerandservice@bwpapersystems.com](mailto:zerandservice@bwpapersystems.com)

**In case of emergency please contact our hotline 24 hours a day:**

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Please note: these statements are for general information only and are subject to change without prior notice. We would be pleased to send you a detailed offer, following an inspection of your machine.

07/2019

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