

Extension to 24VDC Uninterruptible Power Supply (UPS)

TIP S-7010

Electrical control

Benefits:

- No PLC data loss
- Controlled machine shut down
- Reduction of the load and mechanical wear and tear
- Easier and faster production restart

Safety



Obsolescence



Quality



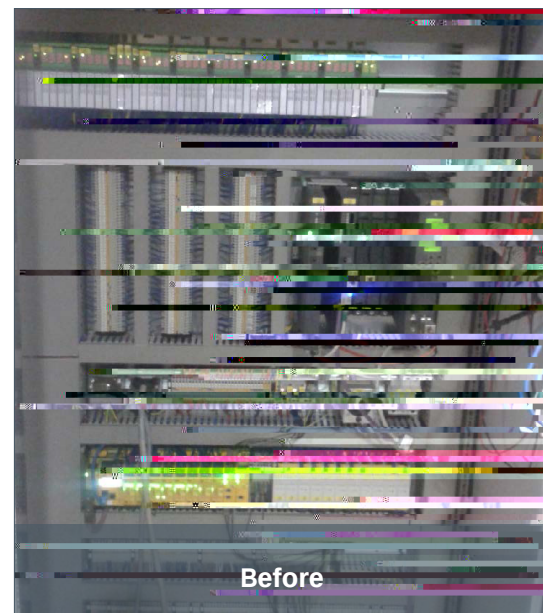
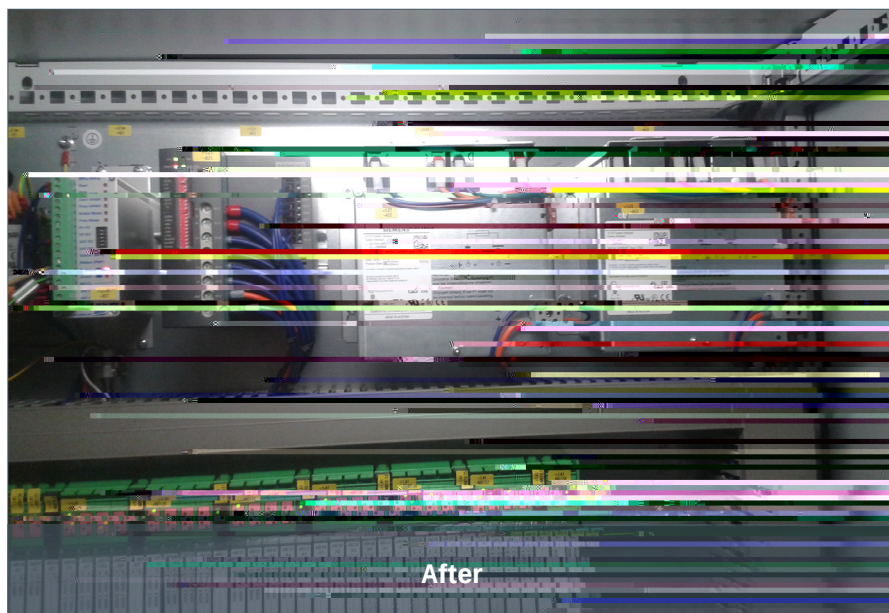
Cost Reduction



Performance



Maintenance



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Machine Model for Improvement: All BW Bielomatik exercise book & spiral binding lines with mechanical gear box or electronic main drives.

Description of Improvement:

This upgrade is part of the Technical Improvement Program (TIP). It reduces the restarting efforts and minimizes rejection while ramping up the machine after an unexpected power outage.

A condenser battery is installed to ensure that the clutch and the 24V power supply is still active to perform a smooth and controlled shut down of the machine.

This reduces the load on the mechanical parts, e.g. the belts or paper jam in the overlapping section. Additionally, by synchronized coupling a faster production start is possible.

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Included in this TIP:

- All required parts
- Necessary engineering
- Updated documentation pages

Estimated downtime, no production:

- 1,5 Days

Estimated startup, limited production:

- 0,5 Day

Estimated monitoring in production:

- 1 Day

Required manpower:

- 1 BW Papersystems Field Service Engineer
- 1 Skilled mechanic by customer
- 1 Skilled electrician by customer

(Additional local resources to be determined, if needed)