

Upgrade Set to New INTERBUS Field Bus System

TIP B-1020

Controls

Benefits:

- Easier spare parts availability
- Operator friendly
- Enhanced diagnostic feature
- Original INTERBUS field bus installation can still be used, no installation change

Safety



Obsolescence



Quality



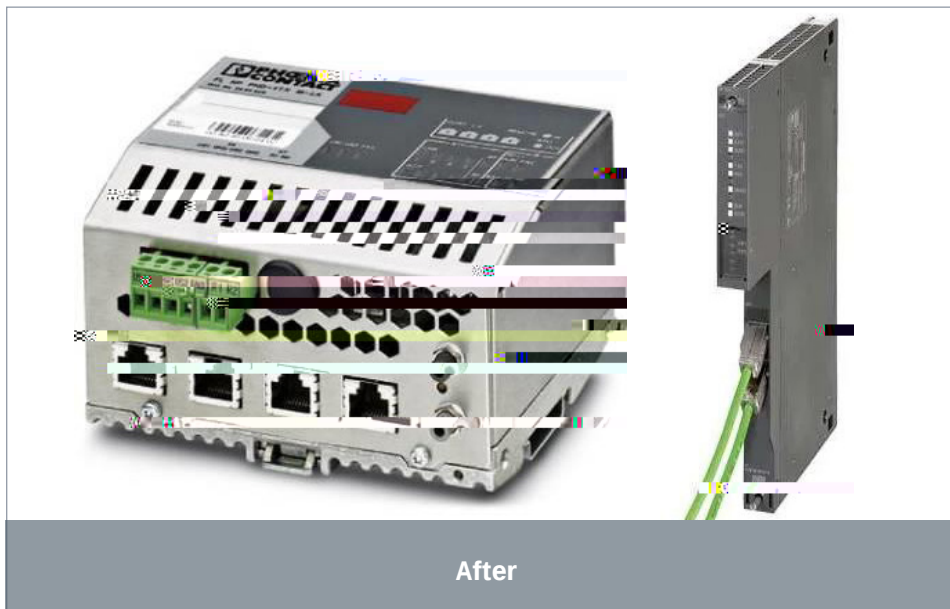
Cost Reduction



Performance



Maintenance



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Machine Model for Improvement: All BWP Bielomatik P 25-85 banknote sheeter machines with INTERBUS DSC card.

Description of Improvement:

This upgrade is part of the Technical Improvement Program (TIP).

BW Papersystems will replace the obsolete INTERBUS card in the S7-rack by an upgrade package to emulate the INTERBUS system structure with new hardware and enhanced diagnostic functionality.

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Preconditions:

- Machine is equipped with INTERBUS DSC card, and Siemens S7 CPU 4xx Version $\geq$ V 5.0 ready for firmware upgrade
- Replacement will be done in +H18 electronic cabinet
- The selection of the INTERBUS card to be replaced is made by BWP according to the existing fieldbus topology

Included in this TIP:

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

Estimated downtime, no production:

- 2,5 Days

Estimated startup, limited production:

- 0,5 Day

Estimated monitoring in production:

- 1 Day

Required manpower:

- 1 BW Papersystems Electrical Field Service Engineer for 4 days