

MPS Press Control

Product summary

MPS Press Control is a universal control system for all types of newspaper printing presses. The functionality of the system is tailored to the press and is ideal for both new presses and the retrofitting and extension of existing presses.

The scope of the system is flexible and can cover all or some of the following: drives control (using MPS Open Motion Control), unit control, press-wide control, press operation (using MPS Control Console) and press management (using MPS Production). MPS Inform, the production data recording and analysis system, can also be added. MPS Press Control can also be integrated with OEM systems.

Features

Built using standard ABB components, such as the AC500 PLC, that are used in countless demanding industrial applications worldwide.

PLC based – long production cycle times, long availability of spare parts, no risk of viruses.

Ethernet communication throughout and therefore access to all systems from anywhere on the LAN.

Wide range of fieldbus standards available.

Minimal number of programming and test tools required.

Control system programming based on the IEC 61131-3 standard.

Full remote service and diagnostics available.

The use of ABB's MPS Open Motion Control and ABB drives allows the use of standard motors for shaftless presses.

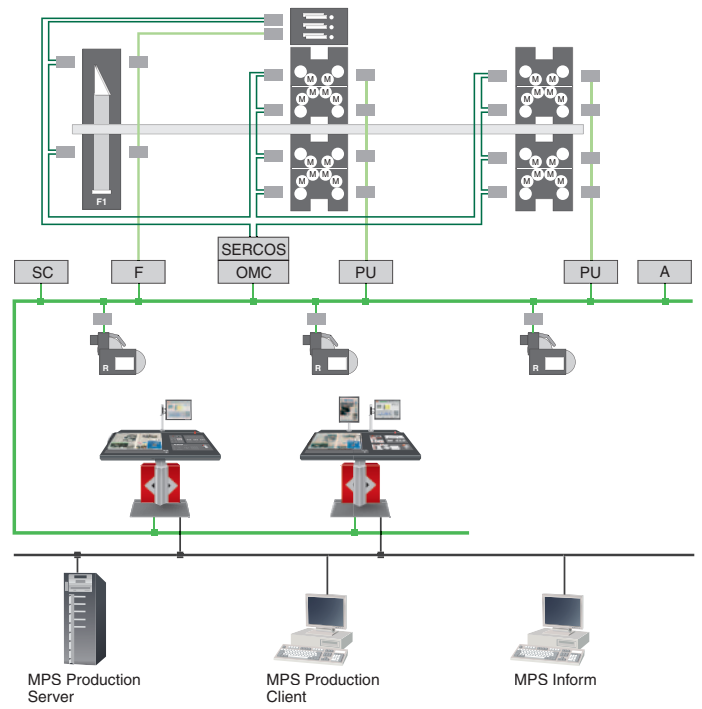


ABB's AC500 PLC

Functions

The functionality and architecture of the control system is given by the capabilities of the press and therefore varies from site to site. A typical system concept is illustrated below.

MPS Press Control is currently based on the AC500, ABB's modular and extendable PLC with pluggable CPUs and I/O modules. Previously used PLC systems, e.g. AC31 KT98, are still available for extensions to existing systems.



- A = auxiliary systems controls
- F = folder controls
- PU = printing unit (tower) controls
- SC = section control
- OMC = MPS Open Motion Control
- SERCOS = Sercos interface
- = SERCOS fiber-optic connection
- = Press Ethernet
- = MPS Ethernet
- = fieldbus

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