

Reporting for all Areas – Management by Numbers

Management by numbers is becoming increasingly important to graphic arts businesses. It requires reliable production figures and the Connex.Info module provides this information «just in time». Because the module automatically records and collects the produc-

tion data of the connected production lines. The retrievable data collected can be used for technical production evaluation or, via a connected MIS (management information system), for commercial analyses or post calculations.

Thanks to its clear user interface, Connex.Info provides users with a quick and comprehensive overview of the production data required.



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Connex Data and Process Management System

Overview



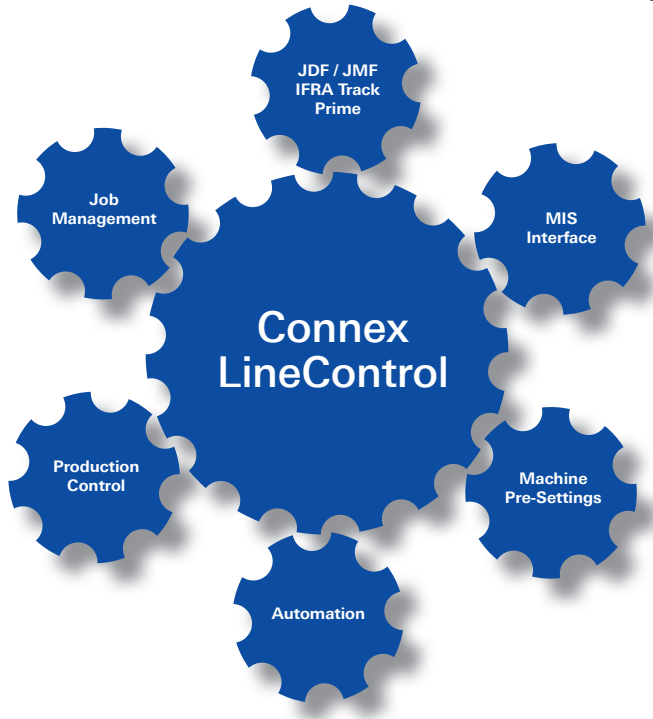
Connex Data and Process Management System for Competitive and Efficient Production



Muller Martini recognized the potential of comprehensive workflow solutions early on. The company has been a CIP4 member since its inception and was one of the first manufacturers of print finishing systems, which was involved in the development of comprehensive, standardized workflows. The result is a unique, broad portfolio: the Connex data and process management system today supports saddle

stitcher, softcover and hardcover systems as well as digital printing lines, inserting lines and complete mailrooms. Muller Martini relied exclusively on standards such as JDF, JMF, IFRA, Track or Prime for the development of its workflow solutions. This allows the software to be integrated into the existing customer workflow with minimal effort.

Muller Martini understands Industry 4.0 to mean the digitization and connectivity of processes and systems along the complete value-added chain throughout the given life-cycle. Finishing 4.0 is all about producing customized and variable print products in a cost-efficient and effective manner with the means of industrial production, which becomes possible with the versatile Connex data and process management system.



Connex for Saddle Stitching, Softcover and Hardcover Production
For customers in the saddle stitching, softcover and hardcover areas, simple integration and increasing automation are becoming increasingly important. The Connex data and process management system is a module for greater automation. Using Connex LineControl, production lines can be set up quickly and easily with data from a higher level system, the MIS. This means that the machine operator no longer needs to enter a new order manually on the machine, but can instead focus on production. Erroneous machine settings are identified as early as possible, which greatly increases production reliability. Connex LineControl offers the biggest integration range in print finishing.

Connex LineControl assumes the three main functions in the production process:

- Integration with higher level planning or calculation systems
- Work preparation and production planning
- Delivery of setup data for the machine

Connex for SigmaLine
Connex LineControl for SigmaLine offers several functions such as LineControl for saddle stitching, softcover and hardcover systems and much more:

- Job management for print finishing and printing press
- Imposition of PDF data based on the options and requirements of print finishing
- Control of the connected printing presses from speed through to the definition of the run size
- Automatic reprinting of an ejected product during production without manual intervention
- Automatic switching of the SigmaLine from format to format without manual intervention
- Production of variable data via PDF/VT right down to runs of one copy

Only with the comprehensive interplay of order management and machine controlling can the requirements for short and ultrashort runs right down to runs of one copy be achieved. This is precisely where the SigmaLine together with the Connex LineControl module comes in, offering this production optimization from pre-press through to print finishing, and also for variable production data. As a unique production line, it controls the entire production from the PDF through to the final product - PDF in, book out.

Connex for the Mailroom
Connex.Mailroom lies at the heart of production in the mailroom. Connex.Mailroom assumes tasks relating to data processing and production management. The distribution data of the newspaper publishing house are converted into production data for the mailroom. If faults are identified during data import, the user can edit them manually or rectify them automatically. The production data in Connex.Mailroom is distributed to all the units involved and monitored throughout the production process. The production data can be edited at any time, even during production, and can be adjusted to the given technical circumstances or optimized for a production run. Connex.Mailroom controls and monitors the entire production process in a mailroom from press delivery through to the ramp. Connex.Mailroom is not only suitable for newspaper production, but also for the typical mailer / sender aiming for optimal production with an inserting line.

The Future Is Now.

Muller Martini's highly automated machines are state of the art. They come into their own in combination with smart connectivity and a seamless workflow. Finishing 4.0 means innovative solutions for the finishing of digital and offset printed products.

- Smart automation
- Connectivity of all processes
- Maximum variability and flexibility of run lengths, product sizes and content
- A seamless, touchless workflow



Finishing 4.0[™]