INTELLIGENT QUALITY MANAGEMENT

QUALITY MANAGEMENT SYSTEM
The IQM (Intelligent Quality Management) is a management information system which visualises the quality of the printed matter produced. IQM is a web-based system that makes use of the measurement data from the IDS, IRS, mRC+ and the new mRC-3D. In addition to providing detailed information about the individual product quality, the IQM system can help develop strategies and solutions to improve the production process.

What are the unique features?
- The IRS, mRC+, mRC-3D and the IDS provide the IQM with details on the colour register, the colour density, cut-off register, side-lay register and fan-out.
- External sources with relevant details about the printing process, such as web tension, temperature and humidity, can be coupled to the IQM.
- Real-time information about the product quality is provided, taking into account additional external variables which may affect your printed matter.
- The IQM is a web-based system, storing data in an SQL database.

What are the advantages of the IQM?
- Increased production capacity.
- The quality tolerances can be preset for each product.
- A warning signal is triggered to enable immediate adjustment of a non controlled variable if the system detects a variation from the quality levels you entered.
- Details about waste are collected, including the frequency of out of tolerance events, enabling you to investigate whether customers’ claims are justified and if so, to what degree.
- Possibility to generate quality reports per press or per job.
- Visual comparisons of all production variables, including different kinds of paper, ink and blanket indicating how they affect quality and waste.
- You will be reminded as soon as preventive maintenance is required on the press.
- Remote management via internet or other means is possible.

Options:
- Plate-to-plate register analysis to document plate-to-plate defects on newspaper presses.
- Automatic make-ready time calculation.
- Real time module to display the results measured by the QIPC control systems installed.
- Preventive maintenance module enabling the IQM to automatically recognize trends and alert the user if a preset value is exceeded.
- Shift performance module to compare the various shifts on the different presses. This enables easy comparison of performance levels.
- Connection module to compare different presses physically located at different locations.

Specifications

**Software:**
- Operating system: Microsoft Windows 2008 Server
- Database: Microsoft SQL Server 2008
- Web platform: .NET framework 4.0

**Control system:**
- Real-time information delay: 10 seconds
- Availability of analysis history: 1 month
- Availability of production history: 5 years
- Back-up capacity (optional): 10-30 GB a week

**Requirements:**

**Client operator hardware:**
- Type: IBM PC & Apple compatible
- Video card resolution: 1024x768
- Network: Ethernet 10/100 Mbit adapter

**Client operator software:**
  Apple Mac OS X Mountain Lion or Apple Mac OS X Snow Leopard / Leopard or Mac OS X Tiger version 10.4.11 and higher
- Web browser: Microsoft Internet Explorer 7.0 and higher
  Apple Safari Browser 3.0 and higher
  Google Chrome 24.0 and higher
- Software: Adobe Reader

Specifications may change without further notice.