RIS 1000

REMOTE INKING

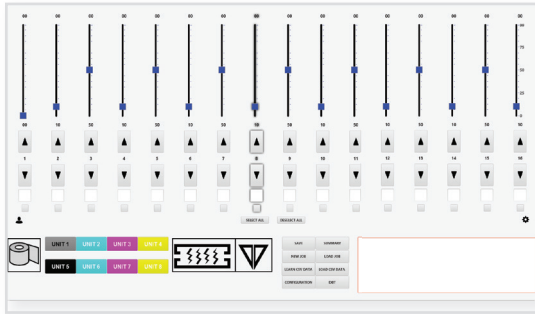REMOTE INKING SYSTEM

Q.I. PRESS CONTROLS

RIS 1000

RIS 1000 is the most advanced open fountain solution. It can be installed on all different type of presses and press configurations. Our in-house development team designs custom fit solutions for each press profile. RIS 1000 controls both ink and dampening to minimise water and ink consumption in order to obtain better print quality.

Benefits
- Improvement of quality
- Labour reduction
- Reduction of make-ready-time and thus costs
- Reduction of running costs by ink optimalisation

Components
- Segmented blade assemblies, custom size ink keys with an individual dedicated controller per key
- Control console with touch screen monitor
- Ink ductor and/or Damp Roller Speed controls (optional)
- Mircro control preset (optional)

Fountain blade assemblies
Our leak-proof ink fountain blade assemblies are segmented for precise ink flow. Unlike ink fountains that rely on inexact "spring-back" positioning, the RIS 1000 uses a direct-drive to motor drive-shaft, ensuring high mechanical integrity for precise and accurate segment positioning.

Each segment is individually driven by its own digitally controlled motor. Our drive motor reliability is unmatched by any other ink control system. Blade assemblies are custom sized to fit any press. Individual segments move linearly to the ink fountain roller as opposed to an angular movement associated with conventional ink control systems. With liner movement the result is a more accurate response to the operator's commands.

Control console
The RIS 1000 ink control console is a computerised control center with advanced software and electronics that provides unmatched precision, accuracy and speed in controls and ink fountains pre-setting.

The ink console includes a bar graph display that shows exact blade segment positions. Changes can be made with rocker switches easy to use ink adjustment keyboard, which includes plus and minus settings for each individual segment and overall plus and minus adjustments.

The process control tool bar lets operators run multiple press control functions from a single source.
- Remote control of ink keys
- Ink and Water Roller Speed Control (optional)
- Automatic or remote Colour to Colour Register (optional)
- Print to Cut Register (optional)
- Digital Preset (optional)

Console Hardware
- Industrial grade fanless computer with SSD
- High resolution bar graph display with analog and digital callout for each segment position
- Latest windows based platform with easy-to-use menus
- Touch monitor
- Optional full web width monitor

Ink ductor and damp roller speed control
Optional is the control of the ink ductor and damp roller speeds of your press. This allows the rollers to ramp with press speeds and users are able to custom configure ink and damp curves. Operators control these functions from the ink control console.

Micro Control Preset (MCP)
RIS 1000 Micro Control Preset (MCP) acts as a bridge between the customers prepress system and the RIS 1000 Remote Ink Control System. The CIP3/CIP4 or tiff files produced from the customers prepress system are used automatically sets our ink fountains.

Closed loop colour integration
RIS 1000 Remote Ink Control System integrates seamlessly with the IDS Closed loop colour control solution which enhances print quality and optimises ink and damp consumption and hence savings.