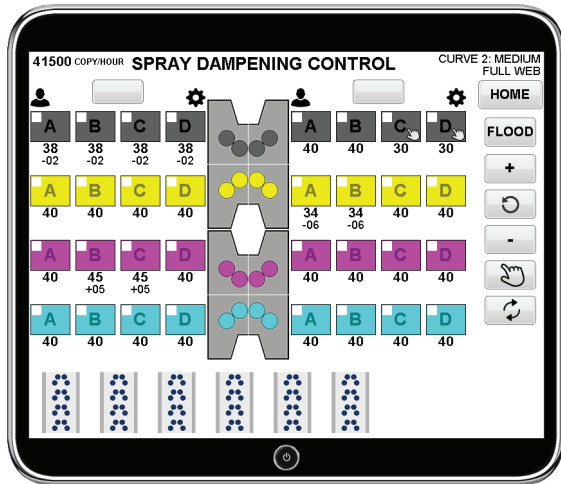


Spray Dampening

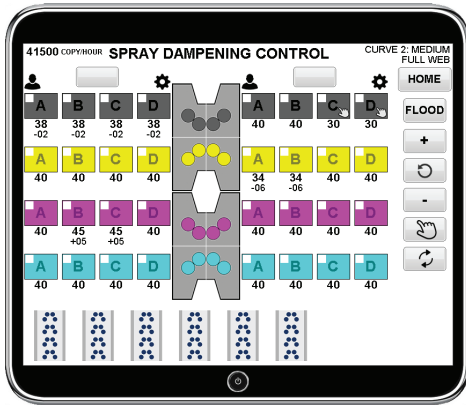


SPRAY DAMPENING SYSTEM

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SPRAY DAMPENING

The SDS Spray Dampening System is the most advanced solution on the market today. It can be installed on all different type of presses and press configurations. Our in-house developing team will design custom fit solutions for each press profile.



Benefits:

- Quality improvement
- Reduction of fountain solution consumption
- Reduction of water consumption
- Reduction of ink consumption
- Electricity savings as the unique 24V DC valves will be used instead of brush and pan roller motors
- Ease of maintenance and handling
- Reduction of startup waste
- Water adjustment per blade
- User friendly operation and different curves facilities

Components

- Spray bar valve assemblies with customised dimensions
- High speed valves and unique high precision nozzles
- Filtration of water delivery
- Graphical User Interface with Master Controller
- Machine Speed Multiplexer compatible to integrate six towers together
- Nozzle Driver Card

Spray bar valve assemblies with customised size

The waterproof spray bar valve assemblies are made of industrial grade stainless steel and can be mounted directly across the water oscillation roller. It can be made custom as per press width, roller diameter and oscillation of roller.

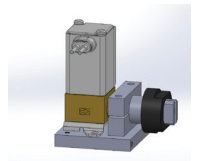


Nozzle driver card

The nozzle driver card is to drive the SDS system's high-speed valves and it can be mounted easily in any tower cabinet of the press because of its smaller size. Also, it can be custom designed to drive the existing press valves configuration.

High speed valves and unique high precision nozzles

Our High-Speed valves and uniquely designed nozzles deliver an equal spray of water across the roller. High speed valves have a quick ON/OFF response time of approx. 5 ms. The chemical resistance material has a longer lifespan in a rotating press environment.

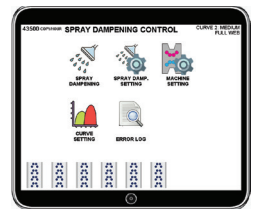


Filtration of delivery water

Our water circulation system, a part of SDS system will stop the dust and other unwanted particles to enter into the spray bar assembly. This will minimise the chance of clogging in the nozzle while the press is running.

Graphical User Interface with Master Controller

The Spray Dampening System has a very user-friendly graphical user interface with several essential control functions such as the adjustment and selection of the water curve valve, system parameters, half and full width selection to control each individual nozzle as per print water requirements. It also has the option to select and control each individual nozzle, each zone to all running towers together.



All in one Control Console

QIPC-EAE also offers an all-in-one control console. The all-in-one control console lets operators run multiple press control functions from a single source.

- Spray Dampening system
- Remote control of ink keys (RIS-1000)
- Ink Ductor and Damp Roller Speed Control (optional)
- Automatic or Remote Colour to Colour Register (optional)
- Print to Cut Register (optional)
- Digital Preset (optional)

