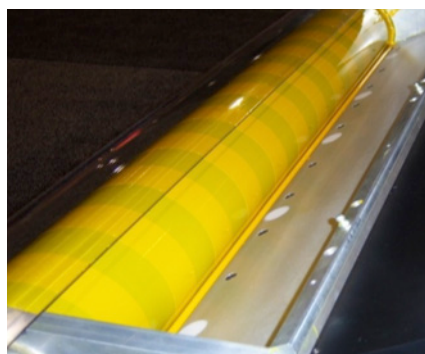




P4000 REMOTE INK CONTROL Horizontal Press



Perretta Graphics has been manufacturing remote ink control equipment since 1981.

The P4000 series Remote Ink Control System is today's most advanced open ink fountain solution. It can be installed on a multitude of different presses and press configurations. Our in-house engineering staff can provide custom-fit solutions for each press profile.

Benefits of Remote Ink System

- Improved Quality
- Labor Reduction
- Reduced Make Ready Costs
- Reduced Running Costs
- Increased Safety

These cost-saving benefits typically translate into a return on investment in under two years.

Components of the P4000 Remote Ink System

- Segmented fountain blade assemblies with 1.5" keys. Lifetime warranty against leaks.
- Control Console with touch screen monitor
(optional second screen)
- Ink and/or Water Roller Speed Controls (optional)
- Digital Preset Center (optional)
- Closed Loop Color Integration

Fountain Blade Assemblies

Our leak-proof ink fountain blade assemblies are segmented for precise ink flow.

Unlike ink fountains that rely on imprecise "spring-back" positioning, the P4000 uses a direct-drive "push-pull" system. The drive shaft features a captive-screw design with preloaded thrust bearings, ensuring high mechanical integrity for precise and accurate segment positioning.



Fountain Blade Assembly

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 instead of an angular movement associated with other ink control systems. The result is a more positive response to the operator's commands.

Control Console

The P4000 Ink Control Console is our control center, and it has our most advanced software and electronics that provide unmatched precision, accuracy, and speed in controlling and pre-setting ink fountains.

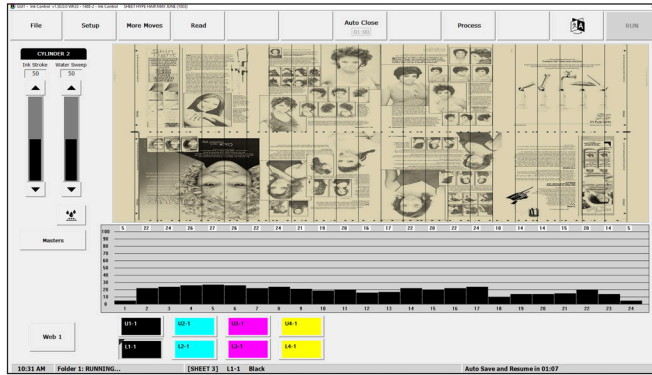
The ink console includes a bar graph display that shows exact blade segment positions. Changes can be made with rocker switches or through the touch screen's easy-to-use ink adjustment keyboard, which includes plus and minus settings for each segment and an overall plus and minus adjustment.

Operators remotely control ink keys and the press's ink and water roller speeds, and may switch between multiple linked consoles from a single source.



P4000-164 Control Console

Control Console GUI



Ink, Water and Speed Control - Showing Black Plate

Console Dimensions

The P4000 Ink Console is offered in several standard sizes.

- 41" D x 40" W (26" x 36" lay down)
- 41" D x 61" W (33" x 46" lay down)
- 41" D x 87" W (33" x 72" lay down)
- 54" D x 87" W (46" x 72" lay down)

Additional sizes are available



Bar Graph Display with Rocker Switches

Console Hardware

- Industrial Grade fanless computer with SSD
- High resolution bar graph display with analog and digital callout for each segment position
- Windows LTSC based platform with easy to use menus
- Industrial grade touch screen monitor
- Optional second monitor

Control Panel

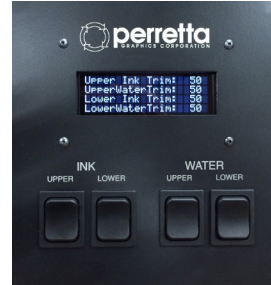
The P4000-162 control panel has all the functions of the Control Console but is designed to be mounted to a customer's existing desk.



P4000-162 Control Panel

Ink and Water Speed Control

Perretta offers an option to control your press's ink and water roller speeds, allowing the rollers to ramp with press speeds, and users can custom-figure ink and water curves. Operators control these functions from the ink control console and have press-side controls for fine-tuning without returning to the console.



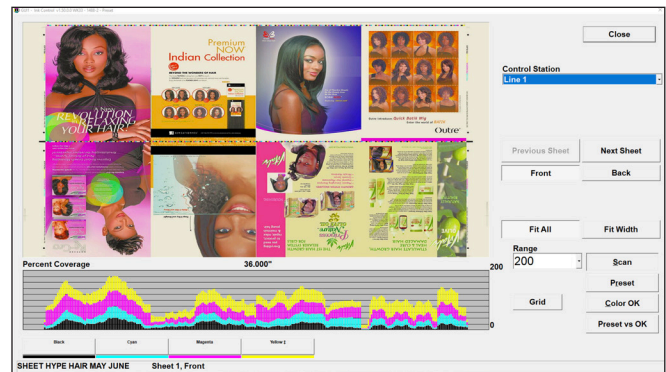
Ink and Water Press Side Control

Digital Preset Center

The Perretta Graphics Digital Preset Center bridges your prepress system and our P4000 Remote Ink Control System. The CIP3, PDF, or TIFF files produced from your prepress system are used to set the ink fountains automatically.

Utilizing Perretta Print Intelligence™ A.I., the Digital Preset Center evaluates and refines preset accuracy. Presets intuitively and automatically adapt as process conditions change.

Please see our separate brochure on the Digital Preset Center.



Digital Preset Center showing ink coverages calculated from the prepress plate image

Closed Loop Color Integration

The P4000 Remote Ink Control System integrates seamlessly with many Closed-Loop Color Systems. Please contact us for a list of vendors we integrate with.

For more information, please scan the QR code or visit www.perrettagraphics.com

