



# ***Smith RPM Spray Bars***

## **PDS-2000 System & Replacement Bars for Newspaper Printing**

Smith RPM - PDS-2000 offers the latest in pulsed spray dampening technology.

Equipped with TouchStar digital controls, newspapers in Europe, Japan, and the United States now operate with this proven technology to achieve excellent print quality and rapid return on their investments.

Smith RPM also offers replacement spray bars for existing Ryco and Goss Systems, improving print quality and performance.

### **Reliability**

- Patented Flow Through Design maintains consistent flow

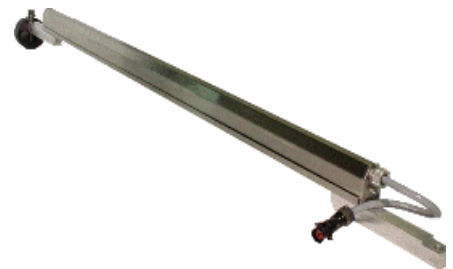
### **Convenience**

- Lightweight, easy to handle, stainless steel bars
- Universal bars fit any position on the press, ASO or standard unit location
- In-line filtration offers easy cleaning
- Quick Mount mist guards with hinged access covers



### **Performance**

- Alternating Pulsation for overlap control and higher quality printing
- High speed precision valves; up to 2,800 pulses per minute
- Precision water distribution adjustments in less than .05 millisecond increments



### **Serviceability**

- Sliding cover for easy removal and replacement - no tools needed
- Quick Release, self aligning, ¼ turn nozzle - no tools needed
- Quick mount hand wheel for bar placement
- Quick disconnects for electrical, fountain solution supply and return lines
- Water proofed, accessible components, no gasket mounting to repair or replace
- Quick change valve assemblies and onboard electronics

- Modern connect troubleshooting, set-up and diagnostics

## Ease of Use

- Independent nozzle control for precision adjustments
- Digital "Smart Bar" Electronic Controls at the unit, at remote stations, or both

## Value

- Low Pressure operation offers less fountain solution usage and over spray waste
- Environmentally safe and sensitive with less waste and elimination of waste disposal

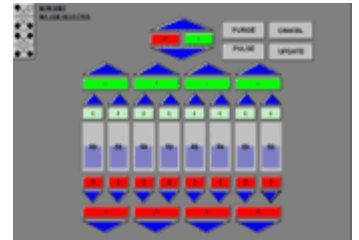


## TouchStar Digital Controls

TouchStar controls provide comprehensive water distribution with infinite adjustments of each spray nozzle. Precision solenoid valves are adjustable in .05 millisecond increments. Pulses per minute may be adjusted from 0 to 2,800! Independent Non Linear curves provide for continuous quality printing by allowing for set point differentials to increase or decrease water output as the press accelerates or decelerates. Values are individually stored and quickly recalled for presets of previous jobs. Automatic, adjustable flood time controls allow for very fast start ups with minimum waste copies!



TouchStar displays are ergonomically designed for the pressroom with chemical resistant touchpads and LED readouts for maximum visibility. All controls are easily read and simple to use. Updates and changes are instantaneous. Unit displays with bar select keys allow the operator to quickly select up to eight bars from a single unit display. Each display has individual nozzle, page, flood and master bar controls. Nozzle readings are constantly monitored and updated. Remote master unit control displays allow for up to 24 foot print units and 192 bars to be controlled from one convenient, centrally located console.



## TouchStar Touch Screen

Touchstar / Touch Screen - The Ultimate in Automated Dampening Controls, provides for complete computer control of an entire dampening system on one press or multiple press lines. In addition to all the convenient features of TouchStar controls, Touch Screen allows for unlimited job file security and a library of stored jobs for quick reference and presets.

Windows® based, Touch Screen Controls are the fastest, easiest to use controls available for spray dampening. Adjustments, small or wide range, can be made quickly and conveniently. Press set ups are easily changed for different press configurations. Bar selections are made by pointing to the unit bar to be changed. Non linear curves have on-screen display to view the entire ramp speed range and quickly change it. Alpha numerical job file directories allow for quick reference and job recall. Color coded keys and press units allow the operator to easily set up and adjust jobs.

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