

## PS-PLATES

totally aqueous-based premium quality plates for optimum printing performance.

# FUJIFILM

## PS-Plates System



## HIGH PERFORMANCE

*aqueous-based plates with  
Fujifilm's Multi-Grain™ Technology.*

High quality. Accurate color. Reliable performance. Affordability. You expect all this in your pre-press area. Fujifilm delivers all this, and more.

The PS-Plate System is part of a full line of film, scanning, digital proofing, plates and imaging products designed to increase your productivity. Because all of our plants are ISO 9000 certified, you can expect consistency from product to product, box to box, batch to batch. What's more, all plates manufactured at Fujifilm's state-of-the-art facility in Greenwood, South Carolina have world-class technology built into these high-performing, easy-to-use plates.

### PS-Plates Features:

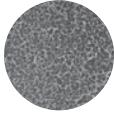
- **Unsurpassed productivity.** By dramatically reducing vacuum time and halation, Fujifilm PS-Plates maximize productivity in the plateroom and pressroom.
- **Rich tone reproduction.** The Fujifilm PS-Plate line offers exceptional dot resolution in highlight, midtone and shadow areas, with a minimized dot gain ratio and superior print quality.
- **Clean work environment.** Fujifilm has produced the cleanest plate system available. Neither plate nor processing solutions are harmful to the environment.
- **Excellent ink and water balance.** A unique multigrain aluminum structure provides water receptivity that ensures an easy-to-maintain ink and water balance, plus minimum dot gain on press.
- **Totally aqueous plate line.** Fujifilm offers the first complete plate system which utilizes only aqueous chemicals, from short-run duplicator to long-run web.

## FUJIFILM'S PROPRIETARY MULTI-GRAIN TECHNOLOGY

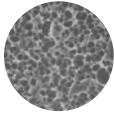
All PS-Plates are made by applying a complex grain structure, consisting of primary grains, honeycomb grains and micropores, to an aluminum support. This "MultiGrain" structure produces a synergistic effect that results in:



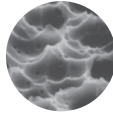
- Outstanding printing efficiency
- Rich tone reproduction
- Long press life
- Simple platemaking



- Primary Grain**
- Tone reproduction
  - Water receptivity



- Honeycomb Grain**
- Run length
  - Scum resistance
  - Developing latitude



- Micropores**
- Excellent ink/water balance
  - Surface durability

## PS-Plates System

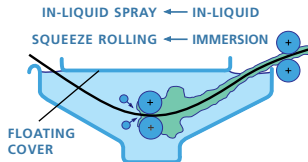


### MATTE SURFACE

Fujifilm's specially developed surface-coating technique provides the photosensitive layer with a unique matte surface that greatly reduces vacuum contact time, and virtually eliminates halation and loss of contact. Moreover, the matte surface sets the industry standard in platemaking efficiency by minimizing both draw-down time and remakes.

### FUJIFILM PS-PLATE PROCESSORS

Fujifilm's new generation of PS-Plate processors offer unique benefits due to unmatched design. Immersion technology along with sequential startup and shutdown offer users 25K square feet of plate processing capacity between chemistry changes.



The Super Dip System's floating cover prevents developer air fatigue, ensuring longer developer life, plus more consistent plate quality.

Fujifilm's tradition of no water wash for its plate processors continues with the PS850NB, saving thousands of gallons of rinse water annually. Quick throughput, easy cleanup and consistent development make the PS850NB the state of the art processor.

#### Faster Processing

At just 20 seconds, negative plate processing is 2 to 3 times faster than conventional types. Also, development of positive plates takes only 12 seconds – 3 times faster than conventional types.

#### Low Replenishment

The developer remains stable for a long period of time, so replenishment requirements are 20% to 50% less than conventional processor types. This also significantly reduces effluents.

#### Simple Maintenance

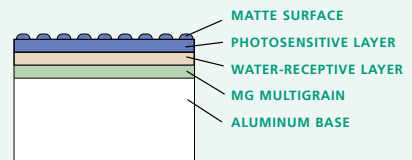
Upper and lower rollers can be lifted off for cleaning by releasing a single latch. In addition, gears and other drive parts are situated apart from the side panel, so cleaning can be done quickly by simply scrubbing and hosing down the tank interior.

## SPECIFICATIONS:

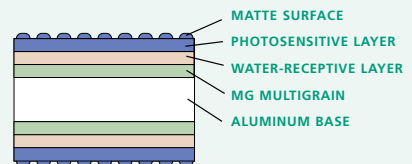
### PS-PLATE SYSTEM

Name	Pos/Neg	Run Length	Application	Printing Side
FNX	Negative	Long to extra long run	High quality, extra long run production printing, web offset, sheet fed, and UV	One
FNS-S	Negative	Short to medium run	High quality production printing	One
FNC-B	Negative	Short run	Short run printing, small offset	Two
FPS-N	Positive	Medium to long run	High quality production printing web offset & sheet fed offset	One

### SINGLE-SIDED PLATE



### DOUBLE-SIDED PLATE



### PS850NB PROCESSOR

#### TYPE

- Floor standing roller transport automatic processor with rotary brush, double-bath immersion.

#### PROCESSING STEPS

- 1st development >
- 2nd development >
- finishing > drying

#### PLATE TYPE

- Fujifilm Negative PS-Plates

#### PLATE SIZE

- Width: 10" to 33"
- Length: 12 1/4" – 44 1/4"
- Thickness: .06" – .016"

#### TEMPERATURE CONTROL

- 1st development 30°C ±1°C, (built-in heater)

#### TANK CAPACITY

- 1st development tank: 6 U.S. Gal.
- 2nd development tank: 1.5 U.S. Gal.
- Finisher tank: 2.1 U.S. Gal.

#### DIMENSIONS

- Width: 50 13/16"
- Length: 94 7/64"
- Height: 41 5/16"

#### POWER CONSUMPTION

- 230VAC, 50/60Hz, Single Phase, 15A

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