

Be More Capable, Profitable and Competitive
In Today's Packaging Market

PRESTTEK 75DI

- Flexible and Versatile Capabilities
- Supports a Wide Range of Jobs
- Ideal for Prototypes and Short Runs
- Rapid Turnaround
- Fast Multiple Versioning
- Digital Workflow
- High Quality Waterless Offset



The Right Solution for Short-run, Versioned and Fast Turnaround Package Printing

Brand owners are under pressure to reduce both costs and time to market while protecting their all-important brand image. There is no question that packaging influences purchasing decisions at the shelf, so packages must be designed and manufactured to catch the consumer's eye. In an age when consumers are driving just about every aspect of merchandising, packaging must be relevant in terms of language, regionality, seasonality and demographics in order to persuade consumers to choose a product or brand.

The challenge for brand owners is to find more effective—and cost-effective—means of producing shorter runs of packaging for a larger number of SKUs, for a variety of market tests, and with faster time to market. And, for maximum shelf appeal, they have to do it without sacrificing quality.

Capitalizing on the Market Trends

For package printers and converters, the challenge is to maintain a contemporary manufacturing platform that meets the changing needs of brand owners while lowering costs and raising efficiency.

The Presstek 75DI digital offset press is the most cost effective way to produce runs of 500 to 20,000 sheets on standard offset stock from tissue paper to 31 point (0.8 mm) board. Able to take a job from file to sellable sheets in six minutes, this extremely efficient, high quality press is the ideal solution for meeting—and exceeding—the needs of brand owners in today's marketplace.

Delivering Unequaled Performance

The highly automated Presstek 75DI press combines the best features of digital and offset printing. Chemistry-free on-press plate imaging, waterless offset, and versatile printing capabilities enable package printers to be more capable, profitable and competitive in today's market.

- Profitably produce short run packaging in runs of 500 to 20,000 sheets
- Print on a wide range of substrates, from tissue paper to 31 point (0.8 mm) board
- Durable and versatile true offset printing
- Print 4-color process plus Pantone® inks, custom mixed inks, metallics, fluorescents and varnishes
- In-line coating to enhance beauty and durability
- Up to 300 lpi AM and stochastic (FM) screening
- Sheet sizes up to 31.02" x 23.62" (788 mm x 600 mm)
- Eliminate costly prepress and platemaking associated with conventional printing technologies
- Leverage a six-minute job-to-job changeover for speedy production of short-run and versioned packaging, and to deliver more jobs to converting every day
- UV models available

*8,000 printed two-up for a seasonal trade fair.
Printed one Pantone® ink, four-color process,
and overall aqueous coating on synthetic stock.
21 minutes from file to completion.*



FAST ▶ VERSATILE ▶ PROFITABLE ▶ DIGITAL ▶ GREEN

Automated Digital Offset Printing

With a click of the mouse a digital file is sent to the 75DI's print queue—like printing to any digital press. The operator selects the quantity to be printed and the profile to match the substrate for the job. The highly automated 75DI basically does the rest with little operator intervention.

Plates are automatically imaged on the press in precise register. Fountain and ink-key settings are automatically adjusted to ensure high color fidelity. In as few as six minutes, sellable sheets are exiting the press, which prints up to 16,000 sheets per hour.

The Presstek 75DI offers the digital workflow, speed and high efficiency of digital presses, while its true offset printing provides all the quality, versatility and durability needed in the packaging and converting industry. In addition, at the end of every day, it will have delivered dramatically higher volume and throughput than comparably priced digital presses.

In addition to folded boxes, the Presstek 75DI is also an ideal solution for printing on label stock, as well as packaging collateral such as wrappers, inserts, hang tags, and point-of-purchase marketing items.

Virtuoso Print Quality System

Presstek Virtuoso is an innovative inline color management and defect detection system for the Presstek 75DI digital offset press. Virtuoso enhances the innate quality of the Presstek 75DI by



performing a complete inspection of each sheet as it passes through the press at full speed. Continuous and automated inspection saves time and money while producing a higher quality more stable print run. Virtuoso ensures that a bad press sheet never reaches converting.

Environmental Advantages

Chemistry-free on-press imaging eliminates the handling, disposal, and cost issues associated with imaging chemistry. Waterless printing significantly reduces VOCs and eliminates the chemically-tainted wastewater associated with conventional printing technologies. Automated job preparation and makeready, with the ability to quickly and profitably print the quantity you need, results in less paper waste. And products printed with the DI's waterless inks can be easily deinked for recycling.

10,000 of one printed two-up, 5,000 of one printed one-up, for a regional market test. Printed 4-color process, metallic silver, and spot aqueous coating on 31 pt (0.8 mm) board. 25 minutes from file to completion.

400,000 printed 25-up for a new product introduction. Four-color process with overall aqueous coating on 24 pt (0.6 mm) stock. 1 hour 6 minutes from file to completion.



Presstek 75DI Specifications

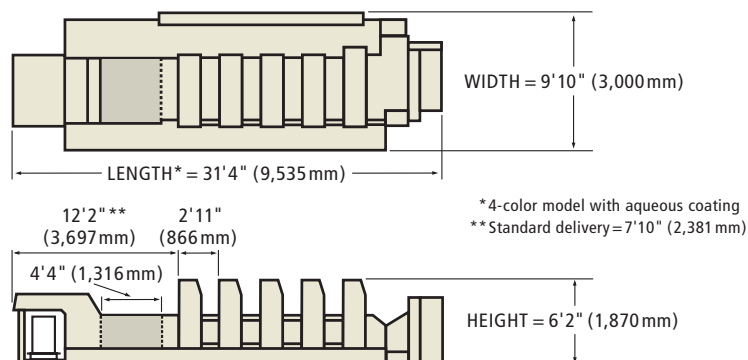
Printing Stock	
Sheet Size¹	Maximum: 31.02" × 23.62" (788 mm × 600 mm) Minimum: 10.98" × 7.87" (279 mm × 200 mm)
Maximum Print Format	29.92" × 22.83" (760 mm × 580 mm)
Stock Thickness	0.0016"–0.024" (0.04 mm–0.6 mm); Optional 0.31" (0.8 mm)
Orientation	Landscape
Imaging System	
Laser	Multi diode, single lens / one per tower
Image Resolution	2540 dots/inch (100 dots/mm)
Spot Size	16 microns
Plate Media	
Plate Material	ProFire Digital Media
Plates Per Roll	23 full format
Screen Ruling	Up to 300 lpi AM and FM (stochastic)
Run Length²	20,000 impressions
Printing	
Maximum Printing Speed²	16,000 sheets per hour
Number of Colors (Towers)	4–10 color (tower) models
Automated Makeready	6 minutes job to job (includes plate loading, imaging, plate and blanket cleaning, ink presetting, and printing to sellable color)
Inking Process	
Ink Keys/Rollers	23 ink keys per unit; 18 ink rollers per tower
Form Rollers	4 per tower
Standard Features	Automatic pre-setting, wash-up device and temperature control
Blanket Cleaning	Automation optional
Impression Cylinder Cleaning	Automation optional
Feeder	
Feeding System	Rotary type stream feeder
Feeder Board	Suction
Feeder Pile Capacity	31.5" (800 mm)
Infeed System	Underswing gripper and feed drum
Delivery Pile Capacity	36.42" (925 mm)
Electro-Mechanical	
Input Power	3-phase 200 VAC 50/60Hz or other voltages
Lubrication	Automatic centralized oiling system

Presstek 75DI-AC Specifications

(All specifications are the same as above other than those noted below)

Maximum Coating Area	29.92" × 22.83" (760 mm × 580 mm)
Coating Device	Anilox metering
Drying	Six Infrared dryer lamps
Infrared Lamp Power	29.4 kW (4.9kW × 6)

Dimensions³



Presstek's portfolio of DI® presses is helping printer's worldwide be more capable, profitable and competitive in a wide range of markets and applications.



Presstek 75DI

Up to 10 colors and coating, 31" sheet size



Presstek 52DI

52 cm landscape format, 4-color digital offset press



Presstek 52DI-AC

Presstek 52DI with in-line aqueous coating



Presstek 52DI-UV

UV models available in all sizes

For more information about Presstek products:

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¹ Limitations may apply depending on paper types.

² Actual numbers will be affected by ink and paper conditions.

³ Dimensions do not include console, air compressor and other peripheral devices.

Product specifications are subject to change.