

knowzzleJet™

HIGH-SPEED INKJET WEB PRESS

Monochrome and Color

M440 | M660 | C330 | C660



Print-on-Demand



Roll to Roll



Roll to Sheet



Roll to Fold

Powered by



PRESSLINE
INDIA PRIVATE LIMITED

PRINT

What you need
When you need
How much you need

Staying ahead in business means constantly embracing innovation, and the knowzzleJet™ monochrome and colour inkjet web presses embody this ethos perfectly. These presses redefine productivity, delivering unparalleled quality for both text and images. They excel in Variable Data Printing, effortlessly handling full-page variations with precision even at high speeds. Designed to meet the evolving demands of diverse production needs while ensuring cost-effectiveness, these presses elevate efficiency to new heights.

Tailored for Print-on-Demand applications such as books, transactional documents, direct mail, trans-promotional materials, security printing, and customized articles, these presses not only cut costs but also drive profitability to new heights.

Benefits

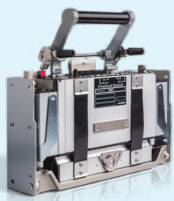
Cost Efficiency	Eliminates large print runs, cutting upfront costs and storage expenses.
Flexibility	On-demand printing caters to specific needs and preferences.
Reduced Waste	Printing only what's needed minimizes overruns and unsold inventory.
Quick Turnaround	Enables rapid production, reducing lead times.
Personalization	Includes personalized messages, enhancing engagement.
Scalability	Easily adapts to fluctuating demand without compromising quality.
Enhanced Control	Offers control over content, allowing updates as needed.
Improved Targeting	Customizes messaging for better audience reach.
Streamlined Processes	Optimizes efficiency across the printing process.
Market Responsiveness	Quickly adapts to changing trends.
Enhanced Security	Serialization and microtext printing deter counterfeiters, safeguarding documents and products.

Advanced Printhead Technology

Durable and Efficient

The knowzzleJet™ Inkjet Web press combines cutting-edge Duralink® and Duraflex® printhead technologies from Memjet, delivering exceptional performance and cost-effectiveness. Duralink® ensures durability and high-quality prints with minimal maintenance, setting a new ROI standard. Duraflex® offers easy replacement, faster speed, impeccable image quality, and extended longevity, expanding market opportunities and enabling swift, economical printing solutions.


memjet®
Inkjet Technology Partner

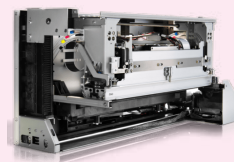


DURALINK®

1,600
DPI

70,400
Nozzles

5x
Nozzles Redundancy



DURAFLEX®

1,600
DPI

163,840
Nozzles

2x
Nozzles Redundancy

Quality and Productivity

Industry's Highest Print Head Resolution 1600 dpi

The knowzzleJet™ offers outstanding print quality with a resolution of 1600 dpi and impressive speeds of up to 660 ft./min for monochrome and 200 ft./min. for color. With a print width of up to 647 mm, it ensures precision from razor-sharp text to vibrant images, enabling ultra-high throughput. It can deliver up to 60 million A4 impressions per month in monochrome and 18 million A4 impressions per month in color with duplex printing.

Productivity Chart

knowzzleJet™ M Series

Machine Configuration	Resolution (dpi) User Selectable	Speed	17 Inch Press A4 Impressions per month	26 Inch Press A4 Impressions per month
SIMPLEX	1600 X 1585	250 feet/min	8 Million	12 Million
	1600 X 1260	300 feet/min	9 Million	14 Million
	1600 x 790**	500 feet/min	15 Million	22 Million
	1600 X 580	650 feet/min	20 Million	30 Million
DUPLEX	1600 X 1585	250 feet/min	15 Million	24 Million
	1600 X 1260	300 feet/min	18 Million	27 Million
	1600 x 790**	500 feet/min	30 Million	44 Million
	1600 X 580	650 feet/min	40 Million	60 Million

knowzzleJet™ C Series

Machine Configuration	Resolution (dpi) User Selectable	Speed	13 Inch Press A4 Impressions per month	26 Inch Press A4 Impressions per month
SIMPLEX	1600 X 1585	90 feet/min	3 Million	4.5 Million
	1600 X 954**	150 feet/min	4.5 Million	7 Million
	1600 x 640	200 feet/min	6 Million	9 Million
DUPLEX	1600 X 1585	90 feet/min	6 Million	9 Million
	1600 X 954**	150 feet/min	9 Million	14 Million
	1600 x 640	200 feet/min	12 Million	18 Million

* Tentative Figures are derived assuming production of 14 hrs a day/ 25 days a month & 70% production efficiency

** Recommended configuration for production

Elevated Workflow/RIP Intelligent Solution Platform

The knowzzleJet™ comes equipped with a high-speed PDF workflow RIP engine, enhanced with advanced capabilities to ensure precise and top-notch printing results. This versatile workflow seamlessly handles PDF printable files of any format and size, operating at high speeds without compromising the accuracy of high-volume variable data. Whether it's for print-on-demand applications like books, transactional documents, and more, this system delivers consistently exceptional performance.

Eco-friendly Water-based Inks



Water-based pigment inks offer a safer and more eco-friendly alternative compared to UV, solvent, or liquid toner inks. These formulations are free from SVHCs (Substances of Very High Concern per REACH) and toxic metals, complying with RoHS regulations. Engineered for outstanding reliability and top-notch printing quality, these inks contribute to prolonging the lifespan of the printheads. The standard ink set ensures exceptional durability and performance, including resistance to water, light, ozone, and abrasion, making it suitable for a diverse range of media.

User-Friendly Operation and Maintenance

The knowzzleJet™ features an intuitive touch control panel, empowering users to effortlessly manage routine operations, including job specifications, log control, and print setting customization. Prioritizing ease of use, this design approach fosters a simple and comprehensible operating environment. Moreover, it includes a maintenance module, a versatile component that primes the printhead for printing and safeguards it during idle periods. Printhead replacement is easily achievable by users.

Consistent, Uninterrupted Printing

The resilient knowzzleJet™ excels in continuous production settings, effortlessly handling short runs and high volumes. It delivers sharp text and vibrant images on various substrates, from coated stock to standard paper. Whether it's forms, manuals, newspapers, or security printing, this system ensures top-notch quality and efficiency. Integrated with post-press equipment, it creates an optimal processing environment for diverse printing needs.

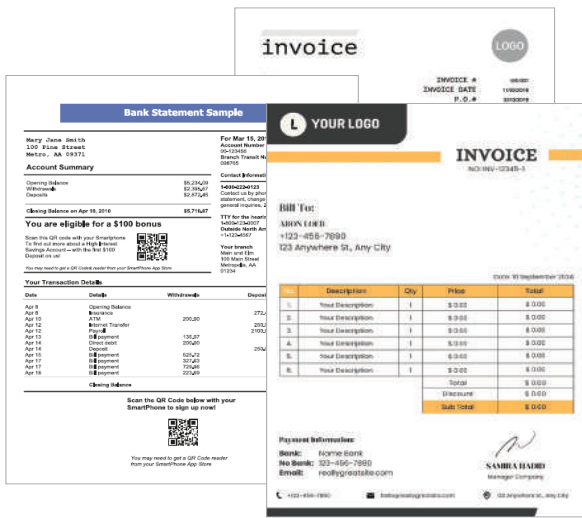


APPLICATIONS

Print-on-demand Book Production

Book publishers face challenges such as shorter lifecycles, reduced print runs, and fluctuating sales. To address these, digital printing emerges as a transformative solution, offering cost-effective short runs and streamlined supply chains. The knowzzleJet™ enhances productivity and quality, minimizing post-printing processes and maximizing efficiency. Its versatility in managing diverse projects, from teaching materials to variable data printing, ensures unmatched flexibility for publishers.





Transactional and Trans-promotional

Transactional printing, a growing sector in digital printing, encompasses diverse documents like utility bills and statements, often personalized with variable data. The knowzzleJet™ meets these demands by processing real-time data, cutting operational costs and complexity. Its industrial-grade capability ensures efficient handling of personalized content, fostering stronger user-brand connections.

Direct Mail

Print-on-demand for direct mail offers a streamlined, cost-effective solution for personalized marketing. Leveraging digital printing, companies create tailored mail pieces in small batches, reducing excess inventory and turnaround times. Marketers can customize messaging and designs for maximum impact, efficiently reaching their audience with targeted promotions and personalized messages, boosting engagement and ROI.



Newspaper/Tabloids

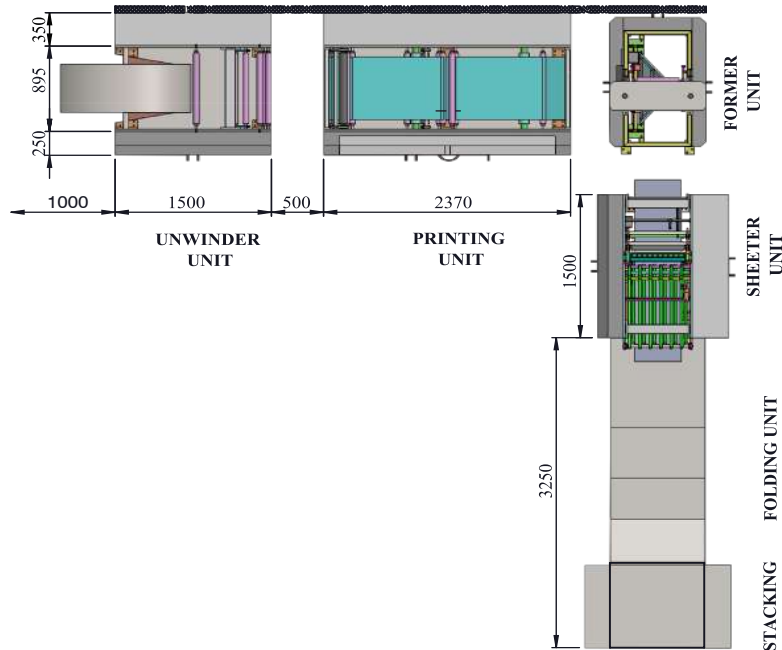
Print-on-demand for newspaper/tabloids transforms publishing by offering real-time, personalized content delivery. With this method, newspapers print editions as needed, cutting costs and waste. Using digital printing, publishers create tabloids based on reader demands or current events, ensuring relevance. This flexibility allows papers to reach niche audiences, deliver tailored content, and adapt to market shifts. Print-on-demand for tabloids boosts efficiency and offers readers personalized, timely news experiences.



Technical Specifications

	Monochrome Printing		Color Printing	
	M440	M660	C330	C660
Inkjet Printhead Technology	Duralink		DuraFlex	
Print Width	430 mm	647 mm	330 mm	647 mm
Printing Options	Simplex/Duplex			
Paper Weight	45 – 150 gsm			
Web Width	430 mm - 660 mm (16.93" - 25.98")			
Print Resolutions	As per the productivity chart			
Speed	Up to 660 ft./min*		Up to 200 ft./min*	
Ink Type/Color	Water-based Pigment – Black/Color (CMYK)			
Drying Process	Fast Drying Inks			
Data File	PDF/X Printing Workflow			
Unwind Roll Diameter	Up to 1016 mm			
Configurations	Roll to Roll, Roll to Sheet (Cut), Roll to Fold			
Power	Varies as per the selected configuration			
Dimensions	Varies as per the selected configuration			
Weight	4500 kg			

*Roll-to-Roll at 1600 x 580 dpi | ** Roll-to-Roll at 1600 x 640 dpi



Scan for more details



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