B2 Sheetfed Inkjet Digital Press

RICOH Pro™ Z75

☑ **Printer**

RICOH
imagine. change.

Pro Z75

4,500 sph   Colour

Where offset quality meets digital flexibility and inkjet economics.

Introducing the RICOH Pro Z75, a groundbreaking inkjet press that combines the quality of offset with the flexibility of digital printing. As markets shift towards short run, personalised content, the Pro Z75 is the perfect print solution. Designed to bridge the gap between traditional and modern workflows, this powerful B2+ duplexing press makes the transition from offset to digital seamless. With our proven inkjet technology driving production, stunning image quality is affordable for both long and short print runs. Experience the future of printing with a digital press that offers versatility, superior quality, and low operational costs.

Powerful inkjet B2+ auto duplexing sheetfed press.

Meet the Dragon.

Produce high value, personalised applications flexibly. Delivering up to 4,500 B2+ impressions an hour, the digital press produces vibrant direct mail, customised welcome packs, and bespoke catalogues at pace. Supporting media weights of up to 400 gsm, it runs coated, uncoated, and inkjet treated stocks with outstanding results. Expand your options with signature sheets for book production, and get creative with oversize applications, all made possible with the B2+ platform.

- Easily accommodate short run, personalised applications.
- Run multi-up jobs, print wraps, and packaging on B2+ media.
- Superb results on coated, uncoated, and inkjet treated stocks.
- Produce double sided output without operator intervention.
- Print more with speeds of up to 4,500 impression per hour.

RICOH Pro Z75.

Enjoy stunning digital quality that rivals offset.

Target new markets and luxury brands. Achieve industry leading 1,200 x 1,200 dpi resolution and spot-on colour accuracy. Benefit from faster turnaround times and more competitive pricing. Our print heads use dynamic drop on demand technology to deliver pin-sharp detail, our water based pigment inks enhance your colour gamut, and advanced liquid cooling technology ensures stability. Elevate your output with exceptional precision and vibrancy for superior results.

- Produce crisp text and deliver stunning image quality.
- The RICOH Pro Z75 delivers industry leading 1,200 x 1,200 dpi resolution.
- Expand your colour gamut with our aqueous pigment inks.
- Dynamic drop on demand technology ensures pin-sharp clarity.
- Benefit from faster turnaround times and more competitive pricing options.

B2+ sheet size expands your printing possibilities.

The RICOH Pro Z75 is the world's first B2+ sheetfed auto duplexing inkjet press. Confidently transition jobs from offset to digital with outstanding media flexibility and quality. The B2+ format offers greater possibilities, supporting multi-up jobs, oversized applications, book wraps, personalised postcards, and short run packaging on substrates up to 600 microns. The aqueous pigment inks and advanced drying technologies produce vibrant, instantly dry output.

- Automatic duplexing streamlines print production.
- The B2+ format is ideal for oversized and multi-up jobs.
- Print postcards and packaging on substrates up to 600 microns.
- Achieve offset-like quality on both coated and treated stocks.
- The smooth finish is perfect for post-print embellishments.

Rely on durable and responsive print technologies.

With its offset-like build quality and durable print head technology, the RICOH Pro Z75 is designed to maximise production uptime and maintain optimum quality. The air assisted vacuum feed increases reliability, while the swing and shift registration system delivers precise front to back accuracy. A gripper to gripper system seamlessly transfers media to the print drum, where it is vacuum wrapped to safeguard accurate colour registration.

- Offset-like build maximises uptime and production reliability.
- Air assisted vacuum feed smoothly feeds B2+ media.
- Swing and shift system delivers precise front to back accuracy.
- Gripper to gripper transfers enable seamless media handling.
- Vacuum-wrapped print drum ensures accurate colour registration.

Effortlessly scale workloads and ramp up production.

Boost productivity with the RICOH Pro Z75. Engineered for fast, high quality digital output, it delivers up to 4,500 B2+ impressions per hour and supports duplex printing. The vacuum feed Large Capacity Input Tray (LCIT) guarantees smooth operation, and a combination of advanced drying technologies ensures output is ready for finishing. With a monthly duty cycle of 1.7 million B2+ impressions, you can scale up production without straining resources or compromising efficiency.

- Produce 4,500 high quality B2+ impressions per hour.
- Print double sided without operator intervention.
- High volume feed options include a second LCIT and a Pallet Feeder.
- Optional second High Capacity Stacker ensures uninterrupted operation.
- Vibrant output is delivered dry and ready for finishing.

Streamline print management with Fiery HyperRIP.

Easily manage jobs and reduce your reliance on skilled operators with the powerful Fiery N-500 Controller and HyperRIP. Integrate diverse systems, improve production capacity, and seamlessly manage jobs without redesigning workflows. The digital front end allows for easy onboarding, and robust customisation tools simplify complex tasks. Achieve precision with duplexed variable data jobs and maintain consistent colours autonomously, eliminating the need for operator intervention.

- The RICOH Pro Z75 ships with a powerful Fiery digital front end.
- Seamlessly integrate Fiery-driven systems for improved efficiency.
- Maximise productivity with Fiery HyperRIP technology.
- Easily process variable data and maintain consistent colours.
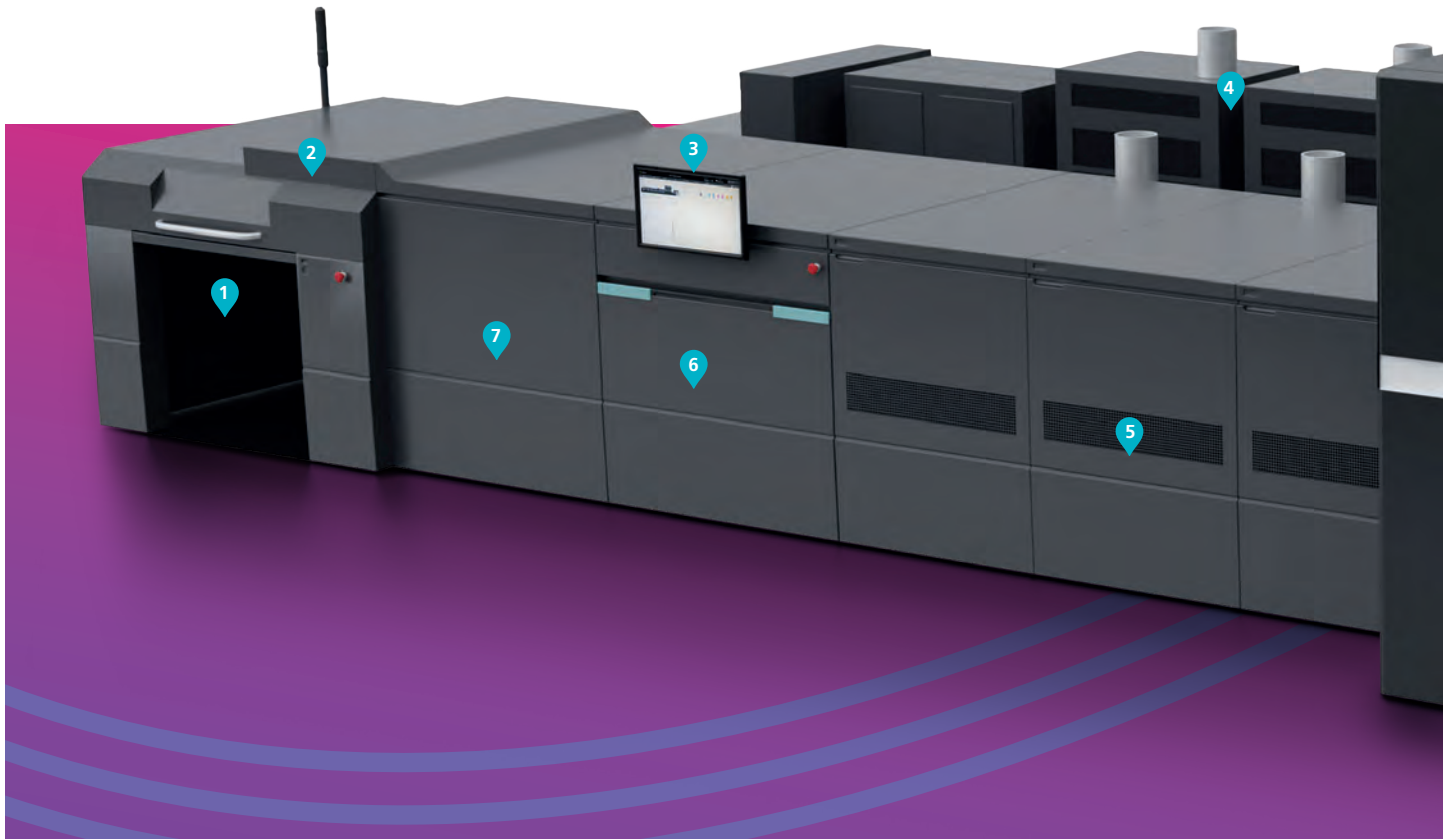- Intuitive operation reduces your reliance on skilled operators.

Unlock additional value with Professional Services.

The new B2+ inkjet platform is backed by our Professional Services programme. You will have access to Ricoh's best in class proprietary workflow automation solutions, such as RICOH TotalFlow BatchBuilder™ and RICOH Supervisor™, as well as our EDGE business development consultancy service and full-service market solutions like MarcomCentral®, all aimed at maximising your return on investment and business value.

- A partnership that extends beyond print solutions.
- Maximise your return on investment and increase business value.
- Access Ricoh's best in class proprietary workflow automation solutions.
- Enhance your operations with EDGE business development consultancy.
- Implement full service market solutions such as MarcomCentral®.

Precision engineered, the RICOH Pro Z75 accelerates your transition from offset to digital.

1 High Capacity Stacker
Minimise operator intervention with a 7,200 sheet High Capacity Stacker.

2nd High Capacity Stacker (option)
An optional 2nd High Capacity Stacker (not shown) increases stack capacity and ensures uninterrupted operation.

2 Upper Proof Tray
Convenient upper proof tray supports up to 100 sheets in all sizes.

3 24" Operation Panel
Supervise print jobs, check ink and media levels, review maintenance schedules and more through an all-in-one dashboard.

Proofing Table (option)
The optional Proofing Table (not shown) enables operator to review B2+ work.

4 Blower Unit
Three blower units drive air at high velocity through the drying system.

5 Dryer Units
The three dryer units employ selective heating to reduce cockling and waviness.

6 Cooling Unit
The cooling unit dissipates heat from sheets after drying, reducing risk of ink transfer, streaking or scuffing.

7 Duplex Unit
The automatic duplexing unit reverses media for printing double sided.

8 Pro Z75 Imaging Unit
Our piezo print heads use dynamic variable drop technology to place dots precisely, using only the exact amount of ink needed.

Additional options (not shown) include a second High Capacity Stacker, a second Vacuum Feed LCIT, a Pallet Feeder, an Undercoat Unit, and a Proofing Table.

Ink Station
Easy loading, large capacity supplies reduce the need to frequently change ink bottles.

B2+ media support
Extend your applications with support for media of up to B2+ size (585 x 750 mm).

Vacuum Feed LCIT
A Vacuum Feed LCIT lifts and separates media to ensure reliable feeding of papers up to 400 gsm.

2nd Vacuum Feed LCIT (option)
An optional 2nd Vacuum Feed LCIT (not shown) extends the paper capacity to four trays and 10,000 sheets.

Pallet Feeder (option)
An optional high capacity Pallet Feeder (not shown) connects to the Vacuum Feed LCIT and feeds stacked media.

Registration Unit
Our proven swing and shift technology delivers high accuracy even for jobs with varied paper sizes.

Undercoat Unit (option)
Selectively engaged undercoating expands paper stock choices and increases print quality.

High speed printing
Up to 310 gsm:
– Simplex (4/0) at 4,500 sph
– Duplex (4/4) at 2,250 sph
310 to 400 gsm:
– Simplex (4/0) at 3,000 sph
– Duplex (4/4) at 1,500 sph

RICOH Pro Z75
SYSTEM SPECIFICATIONS

GENERAL

Print Process:	High speed colour inkjet press
Imaging Technology:	Ricoh water cooled print heads
	Piezo drop on demand
	Dynamic variable drop size
Inks:	Aqueous pigment inks (CMYK)
Image Resolution:	1,200 x 1,200 dpi
	2-bits per drop
	Stochastic screening
Image Size:	571 x 735mm (maximum)
Productivity/Speed:	Up to 310gsm
	- Simplex: 4,500 sph
	- Duplex: 2,250 sph
	310-400gsm
	- Simplex: 3,000 sph
	- Duplex: 1,500 sph
Control Panel:	24" operation panel
System Dimensions:	12,200 x 3,950 x 2,329mm (standard)
Minimum Floorspace:	15,386 x 7,250 mm (standard)
Weight:	13,500kg (standard)
Power Requirements:	3-phase 400 VAC
Peak Power Consumption:	170 kW
Average Power Consumption: (when printing)	93 kW
Sound Pressure (ISO 11204):	Printing: <81.4dB
	Dormant: <70dB
Operating Environment:	20-24° C (recommended temperature)
	40-60% (recommended humidity)

MEDIA HANDLING

Media Types:	Offset coated, uncoated and inkjet treated
Media Weights:	80-400gsm (coated, simplex) /
	115-400gsm (coated, duplex)
	60-400gsm (uncoated, simplex) /
	80-400gsm (uncoated, duplex)
Media Thicknesses:	60-600 microns
Media Sizes:	B2+ (585 x 750mm)
	B2+ (510 x 720mm)
	B2 (500 x 700mm)
	SRA2+ (460 x 650mm)
	SRA2 (450 x 640mm)
	A2 (420 x 594mm)
Vacuum Feed LCIT (standard):	5,000 sheets
2nd Vacuum Feed LCIT (option):	5,000 sheets
Pallet Feeder (option):	1,185mm pile height (maximum, including pallet)
High Capacity Stacker (standard):	7,200 sheets
2nd High Capacity Stacker (option):	7,200 sheets

DIGITAL FRONT END

System Version:	Fiery® FS500 Pro
Processor:	Intel® Xeon® Gold 6226 Processor,
	19.25M Cache, 2.70 GHz, 12 Core, TDP125W
Memory:	16 GB DDR4-2933 2Rx8 ECC REG DIMM
Operating System:	Windows 10 IoT Enterprise 2021 LTSC
PDL/Data Stream:	PS, PDF (APPE 5), PDF/VT, PDF/X, TIFF, JPEG, PPML

FIERY APPLICATIONS

Fiery Graphic Arts Pro Package, Fiery Impose Plus, Fiery Color Profiler Suite, Fiery Integrated Workstation (standard); Fiery JobFlow (option)

OPTIONAL WORKFLOW SOLUTIONS

RICOH ProcessDirector™, RICOH Supervisor™, RICOH TotalFlow BatchBuilder™, RICOH Auto Color Adjuster

OTHER OPTIONS

Vacuum Feed LCIT B RT8500, High Capacity Stacker B SK8500, Optional Cable Protection Grid Type Z1, Proofing Table Type Z1, Pallet Feeder IP75, Undercoat Unit Base Module UC8500, Undercoat Container Station Type Z1