Wide Format UV LED Flatbed Printer

RICOH
Pro TF6251

RICOH
imagine. change.

Pro TF6251

up to
1,251.8
ft²/hour
full colour

Drive profit with an expansive variety of applications.

Enlarge your client base with affordable productivity, whether you're a commercial, enterprise or franchise printer.
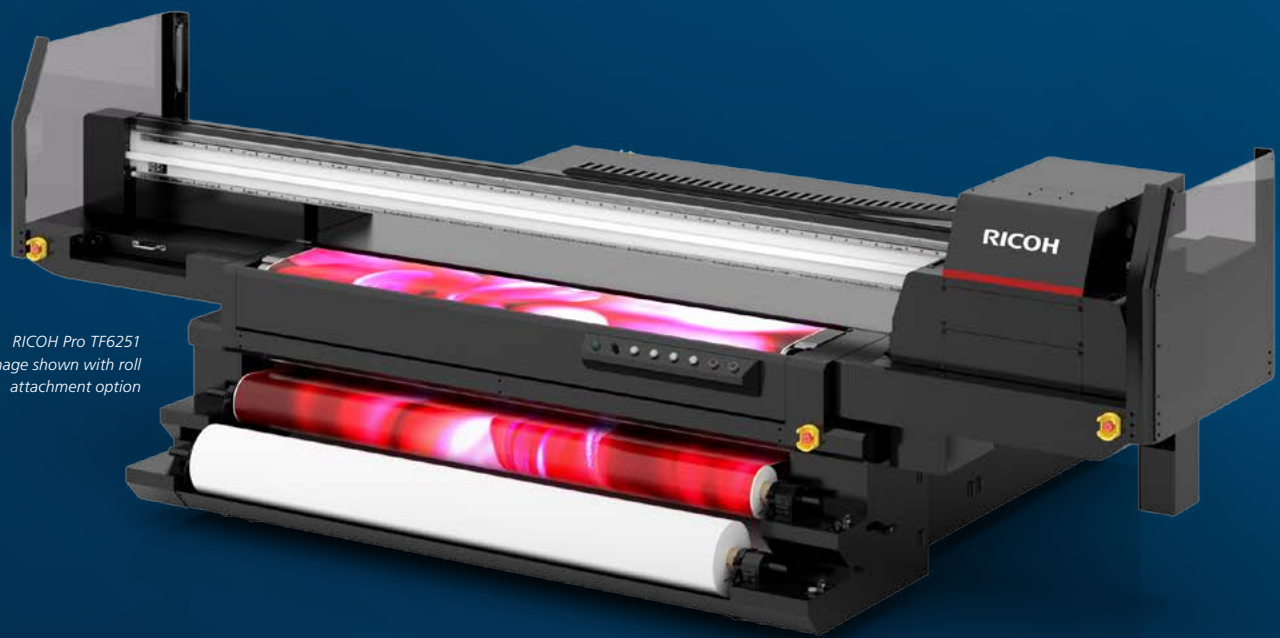
The RICOH Pro TF6251 Wide Format UV LED flatbed printer makes it easy to digitally produce the widest range of applications on rigid substrates up to 4.3" thick. With the new roll attachment option, you can also expand into flexible media — while maintaining spot-on colour consistency across substrates.

Save resources and stay on schedule with superior colour accuracy that prevents costly reprints. Featuring Ricoh's industrial printheads, this system delivers outstanding image quality and productivity.

- Gain media capabilities and grow revenue streams without increasing footprint

- Expect reliable performance, day in and day out, with automated daily maintenance and simple, low-cost operations

- Offer faster service with print speeds up to 1,251.8 ft^2/hr in four-colour draft mode and 522 ft^2/hr in four-colour standard mode

- Serve graphic-intensive markets with exceptional image quality up to 635 × 1800 dpi, enhanced by Ricoh innovations like variable-drop technology and industrial printheads

- Extend your product list with support for rigid substrates up to 98.4" wide and for flexible substrates (with the roll option) up to 86.2" wide

- Master the system quickly and experience ease of use with a new Ricoh-designed user interface, and intuitive controls

- Customize the system to your needs with a choice of two ink configurations (CMYK + White, Clear & Primer or CMYK + Dual White) and two ink options (RICOH Pro UV GP120 or RICOH Pro UV DG130)

- Meet growing requirements for eco-friendly products with Ricoh's GREENGUARD-certified UV LED inks

Media versatility that creates opportunity.

Enter new markets, grow print volumes and satisfy more of your customers' needs with the ability to produce consistent colour and stunning graphics across many types of media.

*RICOH Pro TF6251
Image shown with roll attachment option*

Thick and Thin
Expand your applications with support for rigid substrates up to a remarkable 4.3" thick.

Rigid and Flexible
Add the roll option to print on both rigid and flexible media on one device, ensuring colour consistency and maximizing application capabilities.

UV LED Curing
Create more products with the ability to print on thinner substrates like styrene and other heat-sensitive medias. Instant on/off means the printer is ready when you are.

Irregular Shapes
Four independent vacuum zones support irregular, odd-shaped or multi-piece media, greatly reducing the need for premasking.

Help clients stand out with innovative shapes, sizes and materials.

Add a finishing solution to create an even larger assortment of unique, high-value products —
with a full portfolio of products and services, Ricoh can help you create a complete end-to-end process.

Indoor and outdoor signage

Backlit displays

POP displays

Art reproductions

Unleash your **creativity.**

The RICOH Pro TF6251 Wide Format UV LED flatbed printer supports the media you count on.
A maximum printing area accommodates 4' × 8' sheets with full-bleed printing.

PVC	Wood	Mesh banners
Acrylic	Aluminum	Canvas
Foamcore	Corrugated	Wallpaper
Coroplast	Plastics	Vinyl
Gatorboard/Styrene	Fluted polypropylene	and more

Events and exhibitions

Promotional items

Décor

Short-run specialty packaging

Make an impact with high-quality, long-lasting prints.

Configure the RICOH Pro TF6251 to meet your colour and workflow priorities.

CONFIGURATIONS

● ● ● ● + ● ● ●

CMYK + White, Clear & Primer
Get the most substrate versatility and control over image output.

● ● ● ● + ● ●

CMYK + Dual White
Achieve industry-leading productivity on white-ink intensive work.

INK OPTIONS

NEW RICOH Pro UV GP120 Ink
Choose Ricoh's newest ink option for a superior colour gamut that lets you hit more hues.

*GP120 Ink required when using the RICOH Pro TF6251 roll option.

RICOH Pro UV DG130 Ink
Print accurate colours on a large variety of substrates with advanced ink adhesion and a wide colour gamut.

Smart production. **Superior output.**

Outstanding image quality

- Produce impeccable graphics with 12 printheads containing 1,280 nozzles each, for a total of 15,360 nozzles

- See smooth gradations, greyscale printing and crisp text thanks to Ricoh's variable drop technology, MH54XX Series industrial printheads and proprietary masking pattern

- Deliver superb detail to your brand-conscious and visually focused clients with up to 635 × 1800 dpi resolution

- Produce consistent output with the ionizer, eliminating static and ensuring optimal jetting accuracy

The productivity for demanding turnarounds

- Meet tight deadlines and take on more work with speeds up to 1,251.8 ft²/hr. in four-colour draft mode and 522 ft²/hr. in four-colour standard mode

- Accelerate operations with LED curing that cures output immediately, allowing you to go right to finishing and installation

- Satisfy last-minute client requests by eliminating mounting and trimming steps with the ability to print directly on substrates, including edge-to-edge

Smart features that simplify operations and save money

- Be more hands-off and boost uptime with automated daily printhead-carriage maintenance

- Perform multi-dpi printing and make tiling, scaling, cropping and other tasks easier with user-friendly ColorGATE PS20 Select

- Count on reliable performance year after year with durable steel industrial printheads

- Easily produce outstanding results on multi-layered and textured substrates with precise height-detection registration that ensures ink is dropped from the optimal distance

Maximize Your ROI with Ricoh Sign & Graphics Professional Services.

Capture more opportunities and maximize the efficiency of every job, regardless of the mix of brands on your shop floor. From developing your expertise in substrates and special effects to conferring certifications in colour management and installation, our team can help you fine-tune your workflows to take your business to the next level.

Ricoh Wide Format Elite Access

Give your business an added advantage with a direct channel to top wide-format experts. Industry veterans provide guidance on complex production challenges, collaborate with you on workflow questions and share in-depth knowledge across all areas of sign & graphics production.

General

Type		True Flatbed
Print Method		UV LED
Head Type		MH5421
Number of Printheads		12
Max Resolution		635 x 1800
Ink		CMYW Clear & Primer
Ink Configuration		Standard, Dual White
Curing Method		LED
Ink Bottle Capacity		CMYK and Clear 1 L for each White GP120: 900 ml, DG130: 850 ml Primer 1 L
Ink Tank Capacity of Machine		2.5 L per colour
Media Types		**Rigid materials:** acrylic petg, pc, pvc, glass, aluminium, steel, wood, mdf and more **Roll materials:** pvc, pet, banner, polyester and more
Max Image Size (W×D)		**Rigid materials:** 98.4" x 51.2" (2,500 x 1,300 mm) **Roll materials:** Width 86.2" (2,190 mm)
Media	Max Size	**Rigid materials:** 98.8" x 51.6" (2,510 x 1,310 mm) **Roll materials:** Width 86.6" (2,200 mm), length 984 ft (300 m)
	Thickness	**Rigid materials:** 4.3" (110 mm) **Roll materials:** 0.1 mm - 0.432 mm (110 µm - 432 µm)
	Weight	**Rigid materials:** 9.2lbs/ft² (45 kg/m²) **Roll materials:** 0.1 mm - 0.432 mm (110 µm - 432 µm)
	Roll Option	Available
Interface		USB 3.0
Compatible RIPS		ColorGATE, SAI Flexi, ONYX & Caldera
Dimensions	Width	189.4" (4,812 mm) Roll Option installed: 189.4" (4,812 mm)
	Depth	86.6" (2,200 mm) Roll Option installed: 110.9" (2,817 mm)
	Height	62.2" (1,580 mm) Roll Option installed: 62.2" (1,580 mm)
Weight		Less than 3,637 lbs (1,650 kg) Roll Option installed: Less than 4,850 lbs (2,200 kg)
Vacuum Area		4 Vacuum Zones
Power Supply		North America: AC208-240V 3P/N/PE, 30A, 60Hz

Print Speed

Mode			RICOH Pro UV Ink Bottle GP120		RICOH Pro UV Ink Bottle DG130
			Flatbed	Roll Option	Flatbed
Standard	4C	Draft	1,251.8 ft²/hr.	721.2 ft²/hr.	1,251.8 ft²/hr.
		Production	690 ft²/hr.	468.2 ft²/hr.	690 ft²/hr.
		Standard	522 ft²/hr.	376.7 ft²/hr.	522 ft²/hr.
		Quality	345.5 ft²/hr.	269.1 ft²/hr.	345.5 ft²/hr.
		High Quality	172.2 ft²/hr.	145.3 ft²/hr.	172.2 ft²/hr.
	4C+W	Draft	NA	NA	NA
		Production	329.4 ft²/hr.	258.3 ft²/hr.	329.4 ft²/hr.
		Standard	163.6 ft²/hr.	139.9 ft²/hr.	163.6 ft²/hr.
		Quality	108.7 ft²/hr.	91.5 ft²/hr.	108.7 ft²/hr.
		High Quality	71 ft²/hr.	59.2 ft²/hr.	71 ft²/hr.
Dual White	4C	Draft	1,251.8 ft²/hr.	721.2 ft²/hr.	1,251.8 ft²/hr.
		Production	690 ft²/hr.	468.2 ft²/hr.	690 ft²/hr.
		Standard	522 ft²/hr.	376.7 ft²/hr.	522 ft²/hr.
		Quality	345.5 ft²/hr.	269.1 ft²/hr.	345.5 ft²/hr.
		High Quality	172.2 ft²/hr.	145.3 ft²/hr.	172.2 ft²/hr.
	4C+W	Draft	NA	NA	NA
		Production	431.6 ft²/hr.	328.3 ft²/hr.	431.6 ft²/hr.
		Standard	216.4 ft²/hr.	183 ft²/hr.	216.4 ft²/hr.
		Quality	145.3 ft²/hr.	123.8 ft²/hr.	145.3 ft²/hr.
		High Quality	108.7 ft²/hr.	91.5 ft²/hr.	108.7 ft²/hr.

PC Specifications (PC not included)

Print Control Software

Windows® Operating System		Windows®10 (64bit)
CPU		Intel® Core™ i5 2GHz or more recommended
RAM		4GB or more recommended
Screen Resolution		1,366 x 768 minimum, with 16-bit colour or higher
HDD	Install Space	1GB or more
	Working Space	100GB

ColorGATE PS20 Select (bundled with RICOH Pro TF6251)

Windows® Operating System		32bit /64bit OS supported - Windows®7 (Professional, Enterprise, Ultimate) - Windows®8,Windows®10 (Pro, Enterprise) - Mac OS X 10.5.2 or later with Parallels Desktop 4.0 or later for Mac
CPU		Intel® i7/ AMD Quad-Core3GHz or more recommended
RAM		16GB or more recommended
HDD	Working Space	80GB

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