Wide Format UV LED Flatbed Printer

RICOH Pro TF6251

Pro TF6251

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 ft²/hr in four-colour draft mode and 522 ft²/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.

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
- Acrylic
- Foamcore
- Coroplast
- Gatorboard/Styrene
- Wood
- Aluminum
- Corrugated
- Plastics
- Fluted polypropylene
- Mesh banners
- Canvas
- Wallpaper
- Vinyl
- 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.

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

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

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**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.
**RICOH Pro TF6251**

**SYSTEM SPECIFICATIONS**

### General
- **Type**: True Flatbed
- **Print Method**: UV LED
- **Head Type**: MH5421
- **Number of Printheads**: 12
- **Max Resolution**: 635 x 1800
- **Ink**: CMYK, Clear & Primer
- **Ink Configuration**: Standard, Dual White
- **Ink Bottle Capacity**: CMYK and Clear 1 L for each
- **LED Curing Method**: Standard, Dual White
- **Ink Tank Capacity of Machine**: 2.5 L per colour
- **Ink Bottle Capacity**: CMYK and Clear 1 L for each
- **Max Image Size (W×D)**: Rigid materials: 635 x 1800
- **Media Max Size**: Rigid materials: 62.2" (1,580 mm)
- **Media Types**: Rigid materials: acrylic, pvc, glass, aluminium, steel, wood, mdf and more
- **Roll materials**: pvc, pet, banner, polyester and more
- **Roll Option**: Available
- **Dimensions**
  - **Width**: 189.4" (4,812 mm)
  - **Depth**: 86.6" (2,200 mm)
  - **Height**: 62.2" (1,580 mm)
- **Roll Option**: Installed: 110.9" (2,817 mm)
- **Weight**: Less than 3,637 lbs (1,650 kg)
- **Vacuum Area**: 4 Vacuum Zones
- **Power Supply**: North America: AC208-240V 3P/N/PE, 30A, 60Hz

### Print Speed

<table>
<thead>
<tr>
<th>Mode</th>
<th>RICOH Pro UV Ink Bottle GP120</th>
<th>RICOH Pro UV Ink Bottle DS130</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Method</strong></td>
<td>Flatbed</td>
<td>Flatbed</td>
</tr>
<tr>
<td><strong>Roll Option</strong></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Production</strong></td>
<td>1,251.8 ft²/hr.</td>
<td>1,251.8 ft²/hr.</td>
</tr>
<tr>
<td><strong>Quality</strong></td>
<td>High Quality</td>
<td>High Quality</td>
</tr>
<tr>
<td><strong>Mode</strong></td>
<td>Draft</td>
<td>Draft</td>
</tr>
<tr>
<td><strong>Production</strong></td>
<td>145.3 ft²/hr.</td>
<td>145.3 ft²/hr.</td>
</tr>
<tr>
<td><strong>Quality</strong></td>
<td>High Quality</td>
<td>High Quality</td>
</tr>
</tbody>
</table>

### PC Specifications (PC not included)

- **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
- **CPU**: Intel® i7/ AMD Quad-Core™5GHz or more recommended
- **RAM**: 16GB or more recommended
- **HDD**: Working Space 80GB

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