

Q5-SERIES UV PRINTING PRESS
Q5-250 | Q5-500 | Q5-1000 | Q5-250h | Q5-500h | Q5-1000h



YOUR QUALITY AND BOTTOM LINE just reached the top.



QUALITY

Unsurpassed Quality

With variable drop sizes of 7, 14 and 21 picoliters, the latest Ricoh printhead technology on our Q5-Series printing presses delivers the absolute highest quality imaging available at its price point.



PERFORMANCE

Unparalleled Performance

Built on our proven flatbed and hybrid technology for simplicity, durability and ease of operation, the Q5-Series printing presses will thrive in your environment and deliver to your expectations.



AFFORDABILITY

Unbelievably Priced

When compared to similar printers in the market, the Q5-Series line of printing presses features a considerably lower initial investment cost along with lower long-term operational costs. This adds up to a much faster return on your investment, allowing profits to start growing sooner.



UPGRADEABILITY

Unique Customization

With the option to upgrade from one row to two rows of printheads on the Q5-500(h) and Q5-1000(h), our printing presses are customized to meet your specific business needs.



The Latest Ricoh Printhead Technology

Featuring variable dot, true grayscale imaging – 7, 14 and 21 picoliters – at a native 300 dpi.

Auto Height Detection System

Automatically detects the height of media up to 4" thick and calibrates printhead distance for optimal dot placement and image quality.

UV/LED Curing Lamps

Instant curing of UV ink for fast production. Cures on both the left & right pass. LED is an option on all models.

Top Printing Speed: Up to 605 ft²/hr*

Engineered for high-quality printing yet outputs up to (18) 4'x 8' boards an hour with full bleed capacity. *Q5-1000 with 2 print head rows, 3 pass.

Static Suppression Option**

Optional static suppression kit that reduces static on the substrate.

**Available on some models.

Reversible Vacuum Valve**

Reverse the air vacuum for easier rigid media loading and unloading. **Available on some models.

Mechanical Pin Registration System

Pin registration for accurate and consistent rigid media placement.

Power Vacuum & Lamp Switches

On/Off switches for vacuum table and lamps.

Emergency Stop Switches

Stop operation from any corner of the printer.

The Q5-Series printing presses are ideal for creating **retail point-of-purchase graphics, backlit displays, high-end packaging, art reproduction prints** and so much more. Q5-Series printing presses are available with 2 to 8 printheads.

Q5-250 UV FLATBED

3.25' X 5' Max Media Area

Q5-500 UV FLATBED

4' X 8' Max Media Area

Q5-1000 UV FLATBED

5' X 10' Max Media Area



4-Zone Vacuum System

Eliminates the need for manually zoning the table with scrap material. Individual 4-zone isolation system allows for easy setup of small batch printing.

On Board Control Module

Allows user to adjust printer settings specifically for each ripped file, and make on-the-fly adjustments of ink and media settings, white ink work flow and physical printer settings.

Proven Quality & Performance with the latest Ricoh printhead technology

Ricoh's multi-drop technology enables grayscale printing by varying the drop size of each individually printed image pixel. The latest Ricoh printhead technology, installed in the Q5-Series printing presses, features 1280 nozzles per printhead. This printhead prints in true grayscale multi-drop 7, 14 and 21 picoliters at a native 300 dpi for outstanding, close-view print quality.

Along with great print quality, this Ricoh printhead also features fast printing speeds on all the Q5-Series printing presses — up to a blazing 448 ft²/hr* (Q5-1000) and 605 ft²/hr* with models that utilize the double-row printhead configuration.

*Speeds at 3 pass

3 flatbed sizes, same great features.

Q5-250
3.25' x 5' flatbed



Q5-500
4' x 8' flatbed



Q5-1000
5' x 10' flatbed



Latest Ricoh Printhead Technology

Featuring variable dot, true grayscale imaging – 7, 14 and 21 picoliters – at a native 300 dpi.

Auto Height Detection System

Automatically detects the height of media up to 2" thick and calibrates printhead distance for optimal dot placement and image quality.

UV/LED Curing Lamps

Instant curing of UV ink for fast production. Cures on both the left & right pass. LED is an option on all models.

Top Printing Speed: Up to 605 ft²/hr*

Specially engineered combination of printhead, inks and UV curing technology outputs roll or rigid media. *Q5-1000 with 2 printhead rows, 3 pass.

Static Suppression Option**

Optional static suppression kit that reduces static on the substrate. **Available on some models.

The Q5-Series hybrid

UV printing presses produce **high-quality, high-volume results on either roll or rigid media.** The belt-driven vacuum print bed securely and accurately transports flexible or rigid media through the printing press.

Q5-250H UV HYBRID

64" (1.6m) Max Media Area
*only available in single row

Q5-500H UV HYBRID

98" (2.4m) Max Media Area

Q5-1000H UV HYBRID

126" (3.2m) Max Media Area



Retractable Alignment Bar

Mechanical alignment bar allows for accurate and consistent media placement.

Vacuum Belt-Driven System

Full-width vacuum belt provides accuracy and versatility for virtually any size rigid or flexible media.

Emergency Stop Switches

Stop the printer operation from either side of the printer.

On Board Control Module

Allows user to adjust printer settings specifically for each ripped file, and make on-the-fly adjustments of ink and media settings, white ink work flow and physical printer settings.

3 hybrid widths for varied applications.



Q5-250h
Media up to 64"
(1.6m) wide



Q5-500h
Media up to 98"
(2.5m) wide



Q5-1000h
Media up to 126"
(3.2m) wide

Media Versatility

Quickly change setup from roll media to rigid media

Two front and rear extension tables can be secured to the main body to facilitate printing on rigid media up to 2" thick.

The retractable alignment bar aids in rigid media placement, and the vacuum belt-driven printing bed holds media stable while moving it through the printing gantry. Rollers set in the table tops help in gliding rigid media in and out of the printing press.

OUTDOOR SIGNAGE

Store panel signs



RETAIL DISPLAY

Vinyl window advertising poster



SPECIALTY SIGNAGE

Shop sign printed on wood

Q5-SERIES SPECIFICATIONS

| | |
|---------------------|---|
| PRINTHEAD | Ricoh Gen5 2-8 printheads |
| INK SETS | CMYK+W; CMYKlclm+W |
| INK TYPE | UV Curable |
| RESOLUTION | Native 300 dpi x 600 dpi |
| PRINT SPEEDS | <p>Q5-250 Draft (1 row, 3 pass): Up to 229 ft²/hr Standard (1 row, 5 pass): Up to 146 ft²/hr Production (1 row, 9 pass): Up to 88 ft²/hr High Quality (1 row, 12 pass): Up to 64 ft²/hr</p> <p>Q5-500 Draft (1 row, 3 pass): Up to 275 ft²/hr Draft (2 rows, 3 pass): Up to 448 ft²/hr Standard (1 row, 5 pass): Up to 175 ft²/hr Standard (2 rows, 5 pass): Up to 286 ft²/hr Production (1 row, 9 pass): Up to 105 ft²/hr Production (2 rows, 9 pass): Up to 196 ft²/hr High Quality (1 row, 12 pass): Up to 77 ft²/hr High Quality (2 rows, 12 pass): Up to 148 ft²/hr</p> <p>Q5-1000 Draft (1 row, 3 pass): Up to 329 ft²/hr Draft (2 rows, 3 pass): Up to 605 ft²/hr Standard (1 row, 5 pass): Up to 210 ft²/hr Standard (2 rows, 5 pass): Up to 380 ft²/hr Production (1 row, 9 pass): Up to 126 ft²/hr Production (2 rows, 9 pass): Up to 235 ft²/hr High Quality (1 row, 12 pass): Up to 92 ft²/hr High Quality (2 rows, 12 pass): Up to 173 ft²/hr</p> |
| MEDIA - Flatbed | <p>Max. Media Size: Q5-250: 39" x 60" x 3.5" Q5-500: 48" x 96" x 4" Q5-1000: 60" x 120" x 4" Type: Rigid Weight: 200 lbs.</p> |
| MEDIA - Hybrid | <p>Max. Media Width: Q5-250h: 63" (1.6m) Q5-500h: 98" (2.5m) Q5-1000h: 126" (3.2m) Type: Roll; Flexible and Rigid Max. Thickness: 2" Max. Weight: 100 lbs.</p> |
| UV CURING | Mercury Vapor UV Lamps UV LED (optional on some models) |
| RIP SUPPORT | Onyx or Caldera |
| POWER SUPPLY | 2 Separate single-phase, 220V AC circuits rated at 30 amp |
| ENVIRONMENT | 68°F - 86°F / 40% - 70% Rh |
| DIMENSIONS L W H | <p>Q5-250: 10' x 5.5' x 4.2' Q5-500: 15.3' x 6.4' x 4.3' Q5-1000: 17' x 7.2' x 4.4' Q5-250h: 11.3' x 2.8' x 4.2' Q5-500h: 15.9' x 3.3' x 4.4' Q5-1000h: 18' x 4.6' x 4.7'</p> |
| WEIGHT | <p>Q5-250: 1102 lbs. Q5-250h: 1102 lbs. Q5-500: 2645 lbs. Q5-500h: 2645 lbs. Q5-1000: 3307 lbs. Q5-1000h: 4500 lbs.</p> |



For additional product information and features, or to request a sample print, contact: sales@cetcolor.com

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