

K2-250h "Minnehaha" | K2-1000 "Everest" | K2-1000h "Niagara"



K2

Reaching new heights



QUALITY

Unsurpassed Quality

Revolutionizing the large-format UV flatbed and hybrid market, the K2-Series printing presses boast a remarkable 5-picoliter drop size. This super-fine drop results in producing some of the highest quality prints ever seen in the industry.



PERFORMANCE

Unparalleled Performance

Utilizing up to 2 rows of the 4.25" wide Kyocera true grayscale print head, the K2-Series images ultra high-quality prints at speeds up to 1000 ft²/hour. With this unsurpassed combination of quality and speed, the K2-Series printers can output up to thirty-one 4'x8' boards per hour!



AFFORDABILITY

Unbelievably Priced

When compared to similar printers in the market, the K2-Series line of printing presses feature a considerably lower initial investment cost along with lower long-term operational costs. This adds up to a much shorter return on your investment, allowing profits to start growing sooner.



UPGRADABILITY

Unique Customization

With the option to upgrade from one row to two rows of printheads, our printing presses are customized to meet your specific business needs.



Kyocera Print Heads

True grayscale, 4.25" wide print heads featuring 2,656 nozzles imaging 5, 10 & 15 picoliter drop sizes.

Auto Height Detection System

Automatically detects the height of media up to 4" thick and allows manual head height adjustment for difficult substrates.

LED UV Curing Lamps

Instant curing of UV ink for fast production. Cures on both the left and right pass.

Top Production Speed: Up to 1000 ft²/hr (3 pass)

Specially engineered combination of print head, inks and LED UV curing technology outputs up to (31) 4'x8' boards per hour.

The Everest flatbed is ideal for **high volume printing when you don't want to give up quality for speed.** Now you can have both. The K2-Series makes it possible to print ultra-high quality at speeds that surpass traditional flatbed production speeds.

K2-1000 UV FLATBED

"Everest" 5' X 10' Max Media Area

Static Suppression Option

Optional static suppression kit that eliminates static on the substrate.



Reversible Vacuum Valve

Reverse the air flow to the table making heavy media easier to handle.

Mechanical Pin Registration System

Pin registration for accurate and consistent media placement.

Power Vacuum & Lamp Switches

On/Off switches for vacuum table and lamps.

Emergency Stop Switches

Stop the printer operation from any corner of the machine.

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.

Full Functioning 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 workflow and physical printer settings. Save those settings for repeat runs, eliminating the need to re-rip jobs.

Quality and speed

The K2-Series achieves both with the revolutionary Kyocera print head.

Each of the 2,656 nozzles per the 4.25" wide print head ejects 40,000 drops per second – that's over 100 million drops a minute per print head!

Kyocera's unique print head technology enables outstanding image quality by controlling the drop size at 5, 10 & 15 picoliters. Plus, the unique ink-channel design provides a stable ink supply to all the nozzles for high-speed, continuous printing.

What you could print in 1 hour with the K2-Series:

- 31 4'x8' boards**
Production mode (3 pass) – up to 1000 ft²/hr
- 25 4'x8' boards**
Quality mode (5 pass) – up to 800 ft²/hr
- 18 4'x8' boards**
High Quality mode (9 pass) – up to 600 ft²/hr
- 12 4'x8' boards**
Photo mode (12 pass) – up to 400 ft²/hr

The K2-Series hybrid flatbed UV printing presses produce high-quality, high-volume results on either roll or rigid media.

K2-250h UV HYBRID

"Minnehaha" 1.6m (64") Max Media Area

K2-1000h UV HYBRID

"Niagara" 3.2m (125") Max Media Area

Kyocera Print Heads

True grayscale, 4.25" wide print heads featuring 2,656 nozzles imaging 5, 10 & 15 picoliter drop sizes.

Auto Height Detection System

Automatically detects the height of media up to 2" thick and allows manual head height adjustment for difficult substrates.

LED UV Curing Lamps

Instant curing of UV ink for fast production. Cures on both the left and right pass.

Top Production Speed: Up to 1000 ft²/hr*

Specially engineered combination of print head, inks and LED UV curing technology outputs up to (31) 4'x8' boards per hour.

*K2-1000h with 2 print head rows, 3 pass.

Static Suppression Option

Optional static suppression kit that eliminates static on the substrate.



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 workflow and physical printer settings. Save those settings for repeat runs, eliminating the need to re-rip jobs.

Power Vacuum & Lamp Switches

On/Off switches for vacuum table and lamps.

The CET Color K2-Series UV fixed table flatbed & hybrid are all about **delivering the absolute highest quality imaging at jaw-dropping production speeds.**

Printing versatility

Quickly change setup from roll media to rigid media.

Two optional 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 aides 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 POSTERS

Close-view, backlit posters for outdoor marquees



RETAIL POP GRAPHICS

Seasonal point-of-sale graphics for a clothing store



INDOOR ADVERTISING

High-end, indoor advertising banners



K2-SERIES SPECIFICATIONS

PRINT HEAD	Kyocera
INK SETS	CMYK; CMYK+W
INK TYPE	UV Curable
RESOLUTION	Native 300 dpi
PRINT SPEEDS	<p>Production (1 row, 3 pass): Up to 600 ft²/hr Production (2 rows, 3 pass): Up to 1000 ft²/hr</p> <p>Quality (1 row, 5 pass): Up to 483 ft²/hr Quality (2 rows, 5 pass): Up to 800 ft²/hr</p> <p>High Quality (1 row, 9 pass): Up to 338 ft²/hr High Quality (2 rows, 9 pass): Up to 600 ft²/hr</p> <p>Photo (1 row, 12 pass): Up to 238 ft²/hr Photo (2 rows, 12 pass): Up to 400 ft²/hr</p>
MEDIA - Flatbed (Fixed Table)	<p>Max. Media Size: 60" x 120"</p> <p>Type: Rigid</p> <p>Max. Thickness: 4"</p> <p>Max. Weight: 200 lbs.</p>
MEDIA - Hybrid	<p>Max. Media Size: 3.2m (125")</p> <p>Type: Roll</p> <p>Max. Thickness: 2"</p> <p>Max. Weight: 100 lbs.</p>
UV CURING	LED UV Lamps
RIP SUPPORT	Onyx or Caldera
POWER SUPPLY	2 Separate single-phase, 220V AC circuits rated at 30 amp
ENVIRONMENT	68°F - 86°F / 40% - 90% Rh
DIMENSIONS L W H	<p>K2-250h: 13.4' x 3.6' x 4.5' With 2 flatbed extension tables: 13.4' x 8.6' x 4.5'</p> <p>K2-1000: 17.1' x 9.3' x 4.5'</p> <p>K2-1000h: 19.9' x 5' x 4.8' With 2 flatbed extension tables: 19.9' x 10' x 4.8'</p>
MIN. WORK AREA L W	<p>K2-250h: 15.5' x 7' With 2 flatbed extension tables: 15.5' x 12'</p> <p>K2-1000: 21' x 11'</p> <p>K2-1000h: 23.5' x 7.5' With 2 flatbed extension tables: 23.5' x 12.5'</p>
WEIGHT	<p>K2-250h: 1102 lbs.</p> <p>K2-1000: 3645 lbs.</p> <p>K2-1000h: 5000 lbs.</p>



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

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