Kind reminding for clients:

1. Even low price gives the short satisfaction on the printer itself, it will only bring the disasters when you use it for its low quality

2. It is unworthy to buy low quality products only for its low price. The loss will outweigh the gain, because what you bought cannot meet your demand.

3. Only when you are foresighted enough to invest on high-quality and competitive products and with the good after-sale service, double or triple return can be achieved than the average industry standard.

alwn ®
Allwin Ink Jet Printer

Zhejiang Yurong Digital Printing Technology Co., Ltd.

Factory add: NO.877 Xin Nong Road, Xiu Zhou District, Jia Xing City,Zhejiang Province
www.allwintech.com

Kindly get more product information and inquiry through
Email: adam@allwintech.com
Mobile: 0086 15026654602
Wechat: 0086 15026654602

alwn ®
Allwin Ink Jet Printer

Focus on
high speed UV printing, to meet the customer's satisfaction

**Production Speed up 30%
New KM1024A Print Head**

Eco-solvent Series (EPSON)

Solvent Series (KONICA MINOLTA)

UV Series (KONICA MINOLTA)

Zhejiang Yurong Digital Printing Technology Co., Ltd.

NO:0020250225

ALLWIN
Allwin Ink Jet Printer

ALLWIN brand was established in 2007,which is a printer manufacturer of R&D manufacturing,sales and service. **The brand value is stable&high quality printing and the target customers are professional processing producers.** In 10 years, ALLWIN brand quickly becomes the high-end brand of made-in-China solvent and eco solvent printer and is well recognized by professional customers for its clear positioning of target customers' demand, integration of internal and full chain resources, focus on stable&reliable&durable industrial products.

At the beginning of 2017, a new modern factory building with an area of 35,200 square meters was put into use. At the same time, a number of executives with backgrounds in international industrial enterprises were hired to join the company to enhance the management capabilities of ALLWIN in new product development and product manufacturing processes. At present, **ALLWIN has successfully provided mass-produced OEM products for a well-known Japanese international company.** The products are continuously flowing to the international market through their sales channels.

ALLWIN pays great attention to R&D investment and has a number of national inventions, software copyrights and utility model patents. In 2000-2024, due to good reputation among customers and steady growth in sales, **ALLWIN is the only company won the title of Excellent Partner in China from KONICA MINOLTA for 16 consecutive years.**

ALLWIN will further focus on the core categories and provide products and service that keep pace with the times and achieve customers' leading position in the industry.

★ 2012-2014   3 Invention Patents, 21 utility model patents
★ 2015-2017   1 Invention Patent, 19 utility model patents
★ 2018-2024   5 Invention Patents, 16utility model patents

For its stable quality, and excellent sales , ALLWIN is the only company won the title of Excellent Partner in China from **KONICA MINOLTA** for 16 consecutive years.

Focus on high speed UV printing, to meet the customer's satisfaction
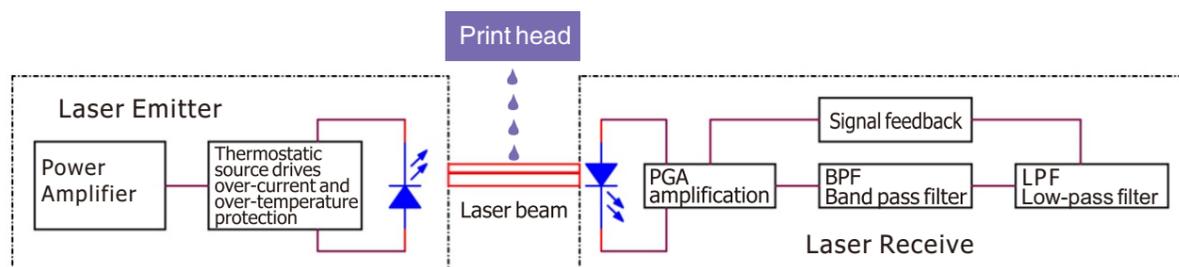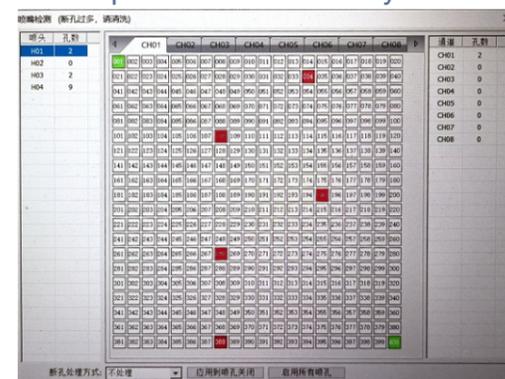
◆ **Laser Detection Theory**

Use Laser to detect print head nozzles fire ink or not. Software automatically calculate the compensation position according to the detection.
Then printing software will use normal nozzle to print instead of the missing nozzles in next PASS.This will make printing effect like new print head.

Print head amount	Detection time
1 nozzle	0.002s
1 head	3200 Nozzle × 0.002=6.4s
2 head	6400 Nozzle × 0.002=12.8s
4 head	12800 Nozzle × 0.002=25.6s
6 head	19200 Nozzle × 0.002=38.4s

◆ Laser Detection schematic diagram
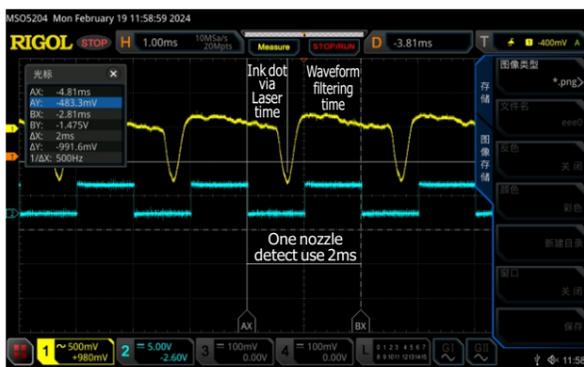
◆ Detect result will map in software, Red position shows the nozzles without firing, when printing will compensate automatically.

One nozzle detect use 2ms

Print head

Laser Emitter

Power Amplifier

Thermostatic source drives over-current and over-temperature protection

Laser beam

Signal feedback

PGA amplification

BPF Band pass filter

LPF Low-pass filter

Laser Receive

After the machine is used for a period of time.Head cap will not perfectly match with printhead during cleaning if not replace new one, few nozzles will not work properly after cleaning. In addition when machine works longer, more nozzles will be totally blocked.

If print head missing nozzle will make output jobs with banding and low quality, especially in solid color and gradient color job.Directly cause customer dissatisfaction or loss of orders, affect customer loyalty and direct economic losses, and further affect the development and growth of enterprises.

ALLWIN Patented technology - laser detection of nozzle blockage and automatic compensation technology help you solve the problem. Through this technology, the quality of each picture is comparable to that of the new nozzle. Few missing nozzles can print almost the same quality of the new nozzle, to achieve large orders.

＊ Head Nozzles missing make banding

＊ Use Compensation output near perfect

Machine much more Convenience to use, print perfect quality job
The Leader of Stable Printing !
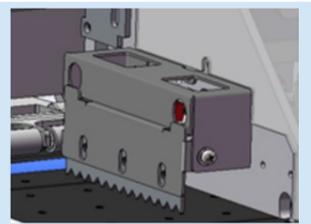
AW-EP1604 2 Head 4 color / 8 color

Eco-solvent

40m²/h
2 Head 4 Color
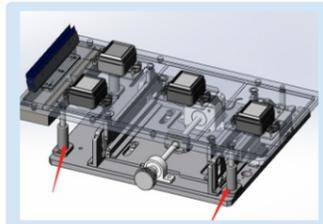
AW-EP1604 4 Head 4 color / 8 color
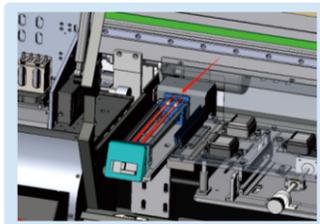
Eco-solvent

82m²/h
4 Head 4 Color

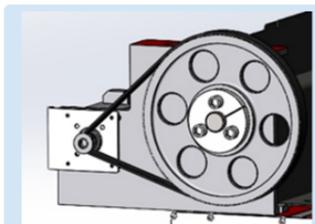▲ Upgrade anti-collision device with two-way protection, reliable and durable；

▲ Ink cup adopted integrated structure of bearing positioning, ensures the stability of head maintenance；
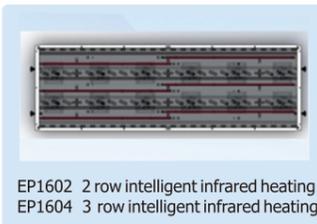
▲ Nozzle laser detection and compensation；

▲ Smart touch screen (multi-touch) for easy operation;

▲ The ratio of gear increased, the adjustment and fixing method is upgraded,material movement more stable and banding reduced (only 4 head machine)；

EP1602 2 row intelligent infrared heating
EP1604 3 row intelligent infrared heating

▲ Upgrade the hot air circulation system, which achieves instant drying.

Model	AW-EP1602/ AW-EP1604			
Head model	EPSON I3200-A1 (water-based) / I3200-E1(Solvent)			
Ink model	C,M,Y, K, LC, LM, LK, LLK			
Wide application	Indoor and outdoor PP and photo paper, car sticker, water - based backlit film, eco-solvent lamp, canvas, non-wovenCloth, digital printing materials, etc.			
Medium	Width:1.62M Thickness:3MM Weight:60KG			
Volume	400ML directly sub ink tank+ 5L main ink tank			
Ink type/color	Solvent/water-based/Sublimation/4 Colors/8 Colors			
Head qty	2 Head 4 Color	2 Head 8 Color	4 Head 4 Color	4 Head 8 Color
Printing speed	High Speed: 40m²/h	High Speed: 20m²/h	High Speed: 82m²/h	High Speed: 40m²/h
	High Precision: 32m²/h	High Precision: 16m²/h	High Precision: 64m²/h	High Precision: 32m²/h
Size/Net weight	EP1602：2765*810*1650MM 350KG		EP1604：3290*995*1860MM 440KG	
Machine package size	EP1602：3350*750*930MM		EP1604：3400*920*1120MM	
Heating system	Integrated heater, infrared dryer and fan system			
Interface/Power	Network interface / AC220V,50/60HZ			

ALLWIN Patents   Leading Position in China

ALLWIN ONE TIME SUCCESSFUL HEAD CLEANING SYSTEM

More Eco-solvent printer heads, faster production speed, increase probability of nozzle missing.

Multi-heads printers not easy to maintenance heads when nozzle missing, frequent maintenance affects production efficiency

Frequent head maintenance wastes ink , reduces the production efficiency. You need one time successful cleaning head.

Missing nozzle one time maintenance save
★★★★★

NOZZLE LASER DETECTION AND COMPENSATION SYSTEM

If print head missing nozzle will make output jobs with banding and low quality, especially in solid color and gradient color job.Directly cause customer dissatisfaction or loss of orders, affect customer loyalty and direct economic losses, and further affect the development and growth of enterprises.

ALLWIN Patented technology - laser detection of nozzle blockage and automatic compensation technology help you solve the problem. Through this technology, the quality of each picture is comparable to that of the new nozzle. Few missing nozzles can print almost the same quality of the new nozzle, to achieve large orders.

*Head Nozzles missing make banding

*Use Compensation output near perfect

PRINT HEAD NOZZLE COMPENSATION SYSTEM +

ONE TIME SUCCESSFUL CLEANING HEAD

Machine much more Convenience to use, print perfect quality job
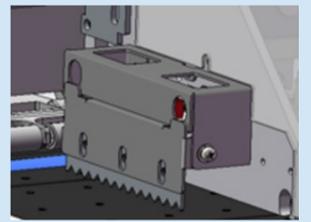## The Leader of Stable Printing !

AW-EP1603 3 Head — *Eco-solvent*
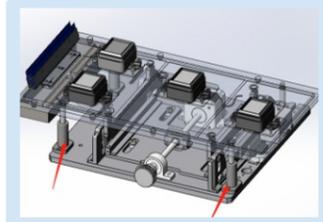
35m²/h
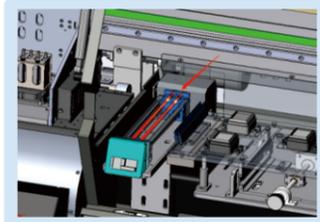3 Head 6 Color

AW-EP1606 6 Head — *Eco-solvent*

70m²/h
6 Head 6 Color

▲ Upgrade anti-collision device with two-way protection, reliable and durable;
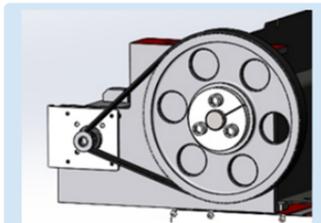
▲ Ink cup adopted integrated structure of bearing positioning, ensures the stability of head maintenance;
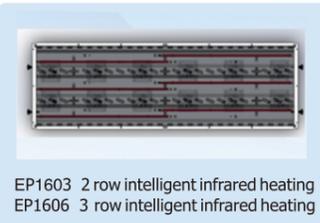
▲ Nozzle laser detection and compensation;

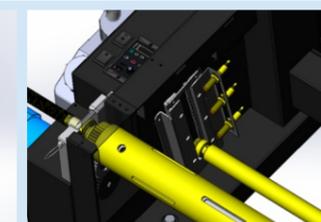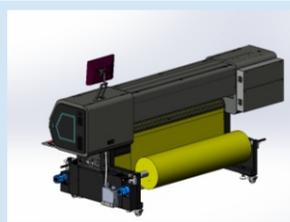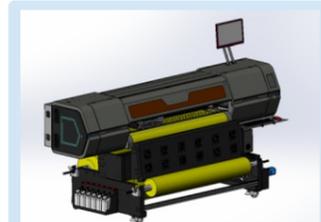▲ Smart touch screen (multi-touch) for easy operation;

▲ The ratio of gear increased, the adjustment and fixing method is upgraded, material movement more stable and banding reduced （only 6 head machine）;
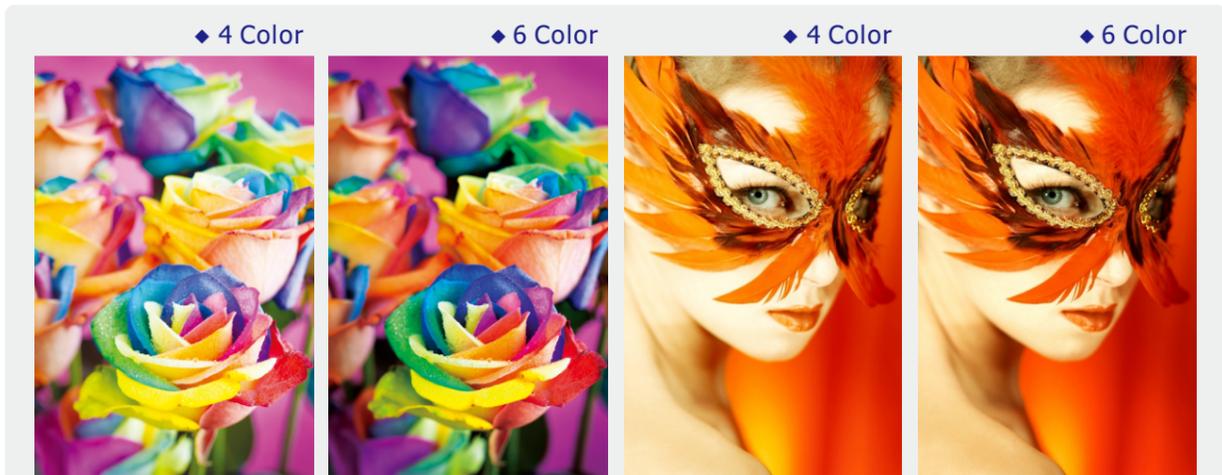
▲ Upgrade the hot air circulation system, which achieves instant drying.

EP1603　2 row intelligent infrared heating
EP1606　3 row intelligent infrared heating

◄ Pneumatic roller for feeding and collecting to support big roll of media printing, media tension system to achieve more accurate printing step for different media.

◆ 4 Color　　◆ 6 Color　　◆ 4 Color　　◆ 6 Color

ALLWIN 6 color eco solvent printer with more brilliant COLOR and better print performance.
Fully meet and improve the production capacity and quality needs of high-end advertising users

Model	AW-EP1603/1606	
Head model	EPSON I3200-A1 (water-based) / I3200-E1(Solvent)	
Ink model	C, M, Y, K, LC, LM	
Wide application	Indoor and outdoor PP and photo paper, car sticker, water - based backlit film, eco-solvent lamp, canvas, non-wovenCloth, digital printing materials, etc.	
Medium	Width:1.62M　　Thickness:3MM　　Weight:60KG	
Volume	400ML directly sub ink tank+ 5L main ink tank	
Ink type/color	Solvent/water-based/Sublimation/6 Colors	
Head qty	3 Head 6 Color	6 Head 6 Color
Printing speed	High Speed: 35m²/h	High Speed: 70m²/h
	High Precision: 29m²/h	High Precision: 58m²/h
Size/Net weight	EP1603：2765*810*1650MM　350KG	EP1606：3290*970*1560MM　420KG
Machine package size	EP1603：3350*750*930MM	EP1606：3400*1050*1120MM
Heating system	Integrated heater, infrared dryer and fan system	
Interface/Power	Network interface / AC220V,50/60HZ	

PRINT HEAD NOZZLE COMPENSATION SYSTEM

ONE TIME SUCCESSFUL CLEANING HEAD

Machine much more Convenience to use, print perfect quality job
The Leader of Stable Printing !

Missing nozzle one time maintenance save ★★★★★

AW-EP1816

16 Head/ 4 color/ 8 color Eco-solvent

280m²/h

▲ linear motor and double guide rails. High precision assembled and adjusted for more stable carriage movement, Reduce maintenance costs

▲ Pneumatic roller for feeding and collecting to support big roll of media printing, media tension system to achieve more accurate printing step for different media

Print System	AT
Rip Software	Photoprint, MainTop
Head Model	I3200
Printhead Quantity	16
Color	KCMY/ KCMY, LC, LM, LK, LLK/ KCMY, LC, LM, OR, RE
Max Print Width	1700mm
Medium	Photo paper, PP, water - based backlit film, car sticker, etc.
Speed	4 Color:280m²/H 8Color:140m²/H
Printing resolution	720*1200-4pass/ 720*1800-8pass
Ink	Water-based, Solvent, Sublimation
Head Cleaning system	Auto cleaning and keep head wet
Environment	15-35℃
Humidity	40-60%
Operation system	WIN10 64 bit
Power	AC220V, 50Hz/60Hz
Power watt	3500W
Machine size	3300x1300x1600mm (L*W*H)
Package size	3500x1500x2100mm (L*W*H)

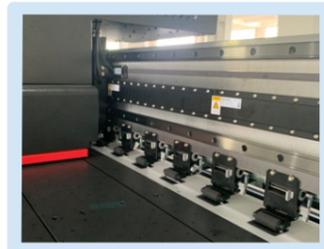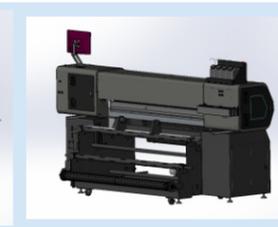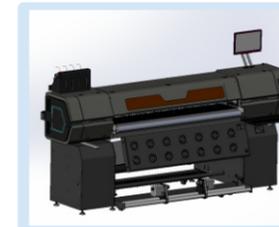# AW-EP2004/2008/3204

2m/ 3.2m wide format Eco-solvent

94m²/h
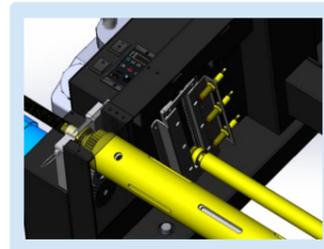
▲ Ep2008 Eight head heavy loading Eco solvent/ Sublimation printer(Special textile media optional pneumatic roller for Feeding& Collecting media system)

▲ Standard equipped with intelligent infrared heating and air drying system

▲ It can print whole roll with 3.2m width material, especially suitable for the production of high quality banner inkjet cloth. Two rolls 1.27m width material can be printed at the same time

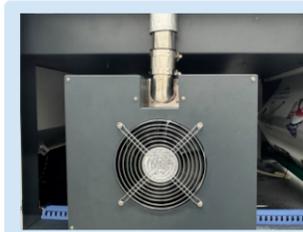| Model		EP2004	EP2008	EP3204
Head Model		EPSON I3200-A1(Water-based) / EPSON I3200-E1(Solvent)		
Ink Model		CMYK		
Wide Application		Indoor and outdoor PP and photo paper, car sticker, water - based backlit film, eco-solvent lamp, canvas, non-wovenCloth, digital printing materials, etc.		Advertising, wallpaper, wall fabric, curtains, digital printing paper, etc.
Medium		Width:2M Thickness:1MM Weight:80KG		3.2M/ 2MM/ 120KG
Ink cartridge	Type	Solvent/water-based/Sublimation		
	Volume	400ML directly sub ink tank+ 5L main ink tank		
Head qty		2PCS	4PCS	8PCS
Printing speed		3pass:47m²/h	3pass:94m²/h	3pass:280m²/h
		4pass:36m²/h	4pass:72m²/h	4pass:140m²/h
		6pass:26m²/h	6pass:52m²/h	——————
Machine size/NW		3625MM*995MM*1860MM	3625MM*1665MM*1955MM	4988MM*968MM*1870MM
Machine package size		3900MM*920MM*1120MM	3900MM*1300MM*1908MM	5600MM*760MM*1280MM
Heating system		Integrated heater, infrared dryer and fan system Power:AC220V,50/60HZ		

DTF6002 DTF PRINTER

- ▲Fully Automatic Cycle Powder Feeding System
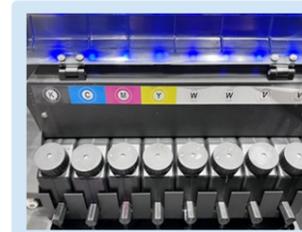- ▲Built-in Smoke Removal Device
- ▲Fully Automatic Drying and Curing
- ▲Front Bezel Platform Heating Function

Model	DTF6002 DTF PRINTER
Print Head	2pcs Epson I3200
Color	CMYKW
Print Thickness	0-3mm
Printing Accuracy	2400dpi
Max. Print Width	600mm
Printing Speed	12m²/h
Applications	Suitable For All Kinds Of Fabrics, Leather, Bags, Shoes, Hats, Socks, Masks,Gloves, Plush Toys, Knitted Underwear, Swimsuit, Handicrafts And Other Industries.
Printing Environment	Temperature 25℃-30℃; Humidity 35%-65%
Power Voltage	AC220/±10V 50HZ-60HZ
Operation System	Windows 7, Windows 8,Windows 10
RIP Software	Photoprint / RIIN / Maintop
Picture Type	Tiff / Jpg / Eps / Pdf / Png / Ai / Psd
Printer Dimension	W2290*D1585*H1420mm
Packing Dimensions	W2240*D1710*H1120mm
Gross Weight	450KG
Net Weight	330KG

UV 9060 FLATBED PRINTER

- ▲Optional shaft for rotary printing
- ▲Printer Ink Cartridges
- ▲Continuous Ink System
- ▲Air-cooled UV Lamp

Model	UV9060 FLATBED PRINTER
Printhead	I3200 U1/ I1600 U1/ I3200 HD
Resolution	360dpi*720dpi
ColorPrinting Height	UP to180mm
Printing Weight	155kg
Printing Size	900mm*600mm
Printer Size	1996mm*1332mm*787mm
UV Curing System	Fans Cooling System
Lifting Function	Intelligent Carriage Lifting Function,Automatic PrintingHeight Adjustment And Measure Detect Function
Printing Platform	Vacuum Suction Platform
Printing Resolution	720dpi*1200dpi，720dpi*1800dpi，720dpi*2400dpi，720dpi*3600dpi
Printing Speed	16m²/h
Application Type	Glass, Acrylic, Ceramic Tile, Aluminum, Iphone Case, Plastic, Foam Board, Wallpaper, Wall Art, Sign Advertising, Metal, Paper, Wood, MDF, Furniture, Card, Marble, Golf Products, Gift & Promotion Products, Leather, PU, PMMA, PVC, PP, PE, PTFE, Plexiglass, Panels, Ceiling, Organic Board, Corrugated, Chevron Board, Fiberboard, Brick, Stone,Home & Offce Decoration, Electric Appliances Panel, Pottery & Porcelain Tile,3CProduct, Oil Painting, Fresco, Sliding Door, Wedding Photography, Mark And Signs, Exhibition, Etc...
InkType	Import Soft LED UV Curing Ink / Rigid LED UV Curing Ink (No VOC)
Ink Capacity	1.5L*6 Color
Power Voltage	AC220/±10V 50HZ-60HZ
Control System	Windows 7, Windows 10,Windows 11 64Bit
RIP Software	Photoprint
Printing Environment	Temperature 20℃-25℃; Humidity 40%-60%
File Formats	PDF/JPG/IPEG/TIF/TIFF

HB1804UV/ HB1806UV UV printer

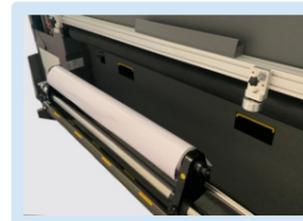## Support EPSON I3200-U1 UV Print Head
LED UV INK CURE SYSTEM

▲ Adjustable table vacuum pump

▲ Auto height adjustment, support 2-30mm

▲ Frontside and backside inbuilt table,Convenient for printing rigid materials

▲ 2 type media feed&collect system. Air shaft optional

Mode	HB1804UV/ HB1806UV		
Media width/ print width	1850mm / 1800mm		
Head qty	4 head CMYK	6 head CMYK	6 head color white color
Printing speed	6pass：30m²/h	6pass：47m²/h	6pass：24m²/h
Ink Model	Eco solvent& UV ink/ 4 color (YMCK) 6color (YMCKWV)		
Ink supply method	Digital inkjet system		
Applicable media	Both Rigid/ Roller media support, suit for leather, decoration, advertising industry Printing media: leather, KT board, wallpaper, film, car sticker, PVC film.etc		
Maximum media thickness	Adjustable height 2-30mm		
UV Curing method	Water cooling UV LED lamp		
media suck/ dry system	Adjustable table vacuum zones /infrared dryer and fan system		
Auto feeding device	Industrial media feeding&collecting system		
Auto head cleaning system	Auto cleaning and keep head wet		
Rip software	Photoprint		
Operating system	WINXP,WIN7, WIN10		
Work environment	Temperature:18-32℃, Humidity:46-65%		
Machine/package size	3330*1320*1420mm/3050*1300*1500mm		
Machine/package weight	320KG/370KG		

*Specifications are subject to change without prior notice, all rights reserved

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Applications

Wall decoration

Office decoration

Shopping Mail Advertisement

Shop glass

A. 6Head W+C+V Option
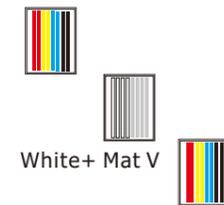
White+ Mat V

Glossy Varnish

Mode	C+W+V W+C+V	C*2
Draft	21m²/h	42m²/h
Production	16m²/h	33m²/h

Applications:
Golden film lamination
(Decoration Industry)
PET Laminated glass (Glass Industry)

B. 6Head C+W+C Option
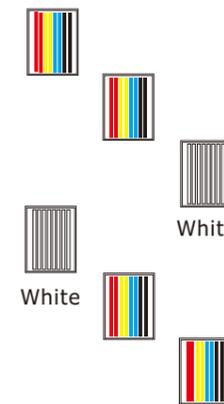
White

White

Mode	C+W+C W+C	C*4
Draft	42m²/h	78m²/h
Production	33m²/h	62m²/h

Applications:
Advertising Industry

C. 6Head C+W+C Option
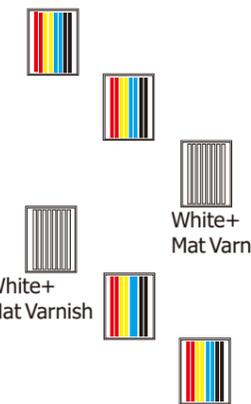
White+ Mat Varnish

White+ Mat Varnish

Mode	C+W+C W+C	C*4
Draft	42m²/h	78m²/h
Production	33m²/h	62m²/h

Applications:
Mat effect sticker for glass
(Advertising Industry)

D. 4Head C+W+C+Mat V Option
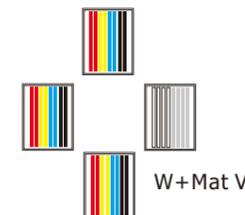
W+Mat V

Mode	C+W+C W+C C+ Mat V	C*3
Draft	21m²/h	56m²/h
Production	16m²/h	42m²/h

Two modes switch freely

E. 4Head C+W+C Option

White

Mode	C+W+C W+C	C*2
Draft	21m²/h	42m²/h
Production	16m²/h	33m²/h

Applications:
Advertising Industry

F. 4Head C+W+C+Mat V Option
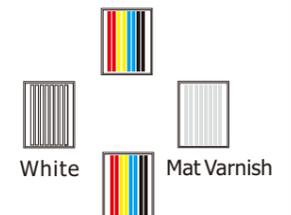
White   Mat Varnish

Mode	C+W+C W+C C+ Mat V	C*2
Draft	21m²/h	42m²/h
Production	16m²/h	33m²/h

Applications:
Mat effect sticker for glass
(Advertising Industry)

AW-EP1604-I3200 U1 *UV printer*

Support EPSON I3200-U1 UV Print Head
LED UV INK CURE SYSTEM

▲ Upgrade anti-collision device with two-way protection, reliable and durable；

▲ Ink cup adopted integrated structure of bearing positioning, ensures the stability of head maintenance；

▲ Nozzle laser detection and compensation；

▲ Smart touch screen (multi-touch) for easy operation；

▲ Energy-efficient water-cooled cycle LED UV lamps.

▲ The ratio of gear increased, the adjustment and fixing method is upgraded,material movement more stable and banding reduced.

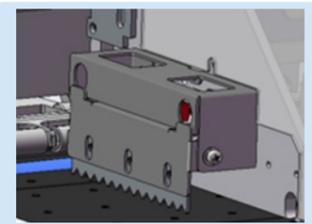| Model	AW-EP1604 UV	
Head model	EPSON I3200-U1	
Ink model	Y, M, C, K, W, Matt varnish	
Wide application	Indoor and outdoor PP and photo paper, car sticker, water - based backlit film, eco-solvent lamp, canvas, non-wovenCloth, digital printing materials, etc.	
Medium	Width:1.62M Thickness:3MM Weight:60KG	
Volume	220ML directly sub ink tank+ 1.5L main ink tank	
Ink type/color	UV: CMYKW	
Head qty	4 Head 4 Color	3 Head 4 Color+W
Printing speed	High Speed: 42m²/h	High Speed: 21m²/h
	High Precision: 20m²/h	High Precision: 10m²/h
Size/Net weight	3286*970*1725MM / 420KG Package size/GW：350*1050*1830MM / 490KG	
Heating system	Integrated heater, infrared dryer and fan system	
Interface/Power	Network interface / AC220V,50/60HZ	

C8 PRO inkjet printer

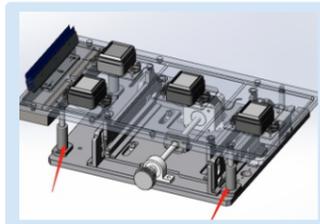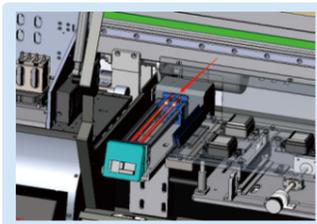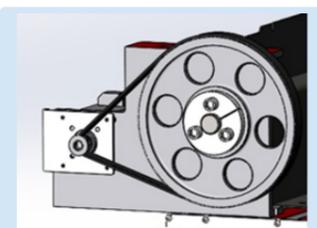（Image only for HS1000 head machine model）

600m²/h HS1000   **280**m²/h KM512I-30PL

* KONICA HS1000 print head use ALLWIN SO series ink support low pass printing without banding, speed up 50%

▲ linear motor and double guide rails. High precision assembled and adjusted for more stable carriage movement, Reduce maintenance costs（Optional）

▲ Intelligent infrared drying system, printing start/stop, infrared automatic open and close
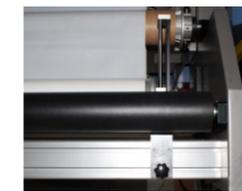
▲The feeding system adopts built-in movable media fixing structure to prevent the material from deviation

▲ Standard negative pressure system, continuous printing without nozzle missing

▲Adopting reflective photoelectric switch, capable of printing on black banner

▲The print head anti-collision system can effectively prevent head damage during printing

C8 PRO Technical Specifications		
Model	**C8 PRO**	
Head Model	KM512i-30PL	KM-HS1000/6988H
printhead quantity	8	
Drop volume	30PL /13PL	
Drying system	Infrared- heater fan	
Print width	3300mm	
Rip software	UltraPrint / MainTop / Photo Print / PrintFactory	
Electricity requirement	220v/60A/50HZ	
Machine max power	13295W	9095W
Printing system	1145W	1145W
Front&rear heater	3750W	3750W
Infrared heater	8400W	4200W
Machine body size	5025(L)*1036(W)*1500(H)mm	
Machine package size	5600(L)*760(W)*1270(H)mm	
Gw（kg）	1135KG	
Nw（kg）	1035KG	

C8 PRO (HS 1000 8 head)		
1pass	360×360dpi	600m²/h
1pass	480×360dpi	480m²/h
2pass	360×720dpi	280m²/h
2pass	480×720dpi	240m²/h

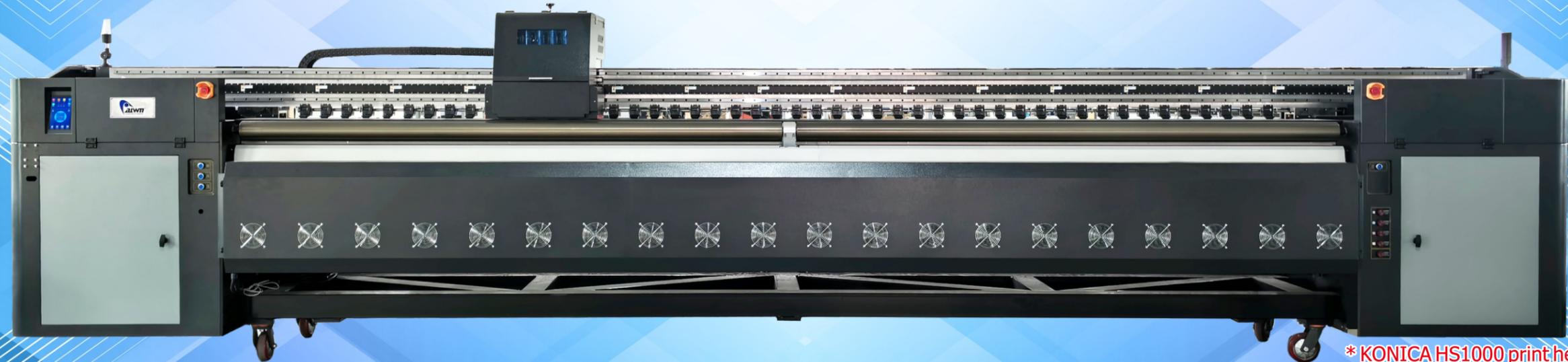| C8 PRO (KM512I-30PL 8 head)		
2pass	360×360dpi	280m²/h
3pass	360×540dpi	180m²/h
2pass	480×360dpi	240m²/h
3pass	480×540dpi	140m²/h

*Specifications are subject to change without prior notice, all rights reserved

E530-12H 5M Giant inkjet printer

(Max printing width is 5285mm)

**Focus on high speed printing, to meet the customer's satisfaction**

900m²/h
(HS 1000)

* KONICA HS1000 print head use ALLWIN SO series ink support low pass printing without banding, speed up 50%

KM HS1000 high speed print head Advantages

1. Head length 72.2mm, each pass print length more 11%;
2. Each nozzle inkjet 30PL, ink volume 20% more , suit for solid color job;
3. Head physical precision 360DPI, 80% more , decrease banding in solid color printing.

KM HS1000 high speed print head

Competitive product
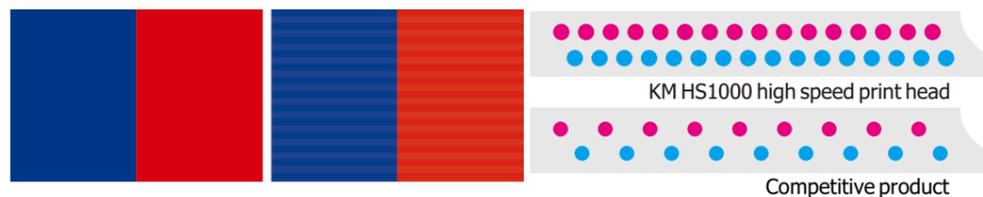
E520 (HS1000 12 head)

1pass	360×360dpi	900m²/h
1pass	480×360dpi	720m²/h
2pass	360×720dpi	450m²/h
2pass	480×720dpi	360m²/h

E520 (KM512I-30PL 12 head)

2pass	360×360dpi	450m²/h
3pass	360×540dpi	300m²/h
2pass	480×360dpi	350m²/h
3pass	480×540dpi	240m²/h

E520 Technical Specifications

Model	E530-12H 5M Giant inkjet printer
Head Model	KM512I-30PL & HS-1000 &6988H
printhead quantity	12
Drop volume	30PL/13PL
Drying system	Infrared- heater fan
Print width	5285mm
Rip software	Ultra Print, MainTop, Photo Print Print Factory
Electricity requirement	380V/60A/50HZ
Machine max power	13595W
Printing system	1495W
Front&rear heater	5500W
Infrared heater	6600W
Machine size	7800(L)*1270(W)*1835(H)mm
Machine package size	7850(L)*1150(W)*2100(H)mm
Gw（kg）	2350KG
Nw（kg）	2100KG

1. Negative pressure system with electronic valve, easy to operate;
2. High quality THK mute double guide rails with linear motor ensure smooth production and high quality image printing request, Reduce maintenance costs;
3. The stepless adjustment system for the height of the carriage ensure printing of different materials thickness;
4. The design of the capping station with waste ink collection tank prevents machine pollution from waste ink,effectively keeps machine clean.
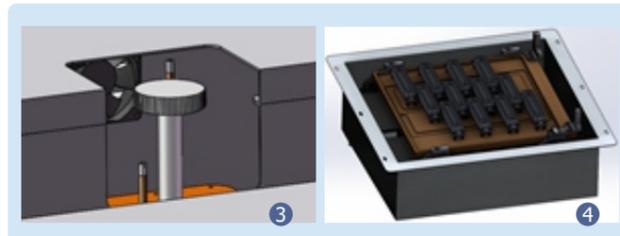
Equipped with professional external collecting system to ensure media drying fast with high-speed printing, convenient for post picture processing

E520-8H 5M Giant inkjet printer

(Max printing width is 5285mm)

Focus on high speed printing, to meet the customer's satisfaction

600m²/h KM-HS1000
280m²/h KM512I-30PL

* KONICA HS1000 print head use ALLWIN SO series ink support low pass printing without banding, speed up 50%

KM HS1000 high speed print head Advantages

1. Head length 72.2mm, each pass print length more 11%;
2. Each nozzle inkjet 30PL, ink volume 20% more , suit for solid color job;
3. Head physical precision 360DPI, 80% more , decrease banding in solid color printing.

KM HS1000 high speed print head

Competitive product
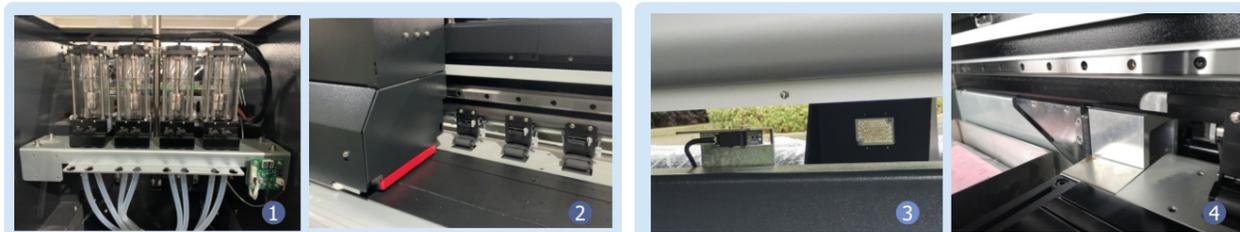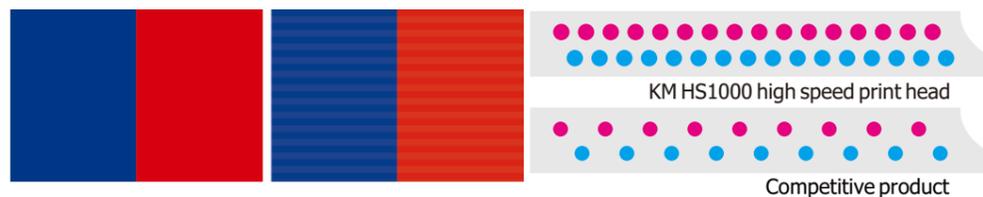
1. Standard negative pressure system, more stable ink supply, less ink waste;
2. The print head anti-collision system can effectively prevent head damage during printing;
3. Adopt reflective photoelectric switch for all kinds of media feeding;
4. Full length guide rails effectively ensures carriage stable running when printing.

E520 (KM512I-30PL 8 head)

2pass	360×360dpi	280m²/h
3pass	360×540dpi	180m²/h
2pass	480×360dpi	240m²/h
3pass	480×540dpi	140m²/h

E520 (HS 1000 8 head)

1pass	360×360dpi	600m²/h
1pass	480×360dpi	480m²/h
2pass	360×720dpi	280m²/h
2pass	480×720dpi	240m²/h

Equipped with professional external collecting system to ensure media drying fast with high-speed printing, convenient for post picture processing

E520 Technical Specifications

Model	E520	
Head Model	KM512I-30PL	KM-HS1000/6988H
printhead quantity	8	8
Drop volume	30PL/13PL	
Drying system	Infrared- heater fan	
Print width	5285mm	
Rip software	Ultra Print / MainTop / Photo Print / Print Factory	
Electricity requirement	220V/60A/50HZ	
Machine max power	13595W	
Printing system	1495W	
Front&rear heater	5500W	
Infrared heater	6600W	
Machine size	7800(L)*1200(W)*1650(H)mm	
Machine package size	7850(L)*1150(W)*2100(H)mm	
Gw（kg）	2350KG	
Nw（kg）	2100KG	

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2.2m/3.2m/5.3m/6.6m giant hybrid UV printer

235m²/h (6 rows)　**169**m²/h (4 rows)　**105**m²/h (3 rows)

4/6 color high resolution high speed printing
suitable for mass production

1. Adopt metal raster with magnetic linear motion system, higher printing resolution and stability with longer lifespan;
2. To print standard size board, it can achieve continuous printing without pause and changing the board, which increases the production efficiency;
3. When print roll to roll, continuously print to the end of the roll without any waste, media loading is much easier.

KONICA 1024A Atom printhead
Production speed up 30%!

Nozzle amount	Min ink dot PL	Variable ink dot PL	Max ink dot PL	Head length	Head physical precision
1024	6PL	6PL-24PL	24PL	72.2mm	360NPI (one head one color)

Model	2.2m/3.2m/5.3m/6.6m giant hybrid UV printer
Printhead	KM1024A SHE 2.2m:4-24H/ 3.2m: 4-24H/ 5.3m: 4-36H/ 6.6m: 4-40H
Resolution	1440DPI , 2160DPI
Speed	6.6m: 235m²/h (6rows) 5.3m: 220m²/h (6rows) 3.2m: 145m²/h (4rows) 2.2m: 105m²/h (3rows)
Color option	CMYKW (LC LM Varnish optional)
Media thickness	0mm~25mm
Lamp	LED lamp
Platform section	8-zone suction / 4-zone suction (adapted to different sizes of materials)
Print type	Roll to roll/ rigid media
Print width	2200mm / 3200mm / 5200mm/6600mm
Ink type	UV curing ink
Option	Front and rear extensional table
Bulk volume	3L bottle with ink alarm, ink filling without pause
Ink supply system	Automatic negative ink supply system
Media type	Glass, ceramic, metal, paper board, leather, wall paper, soft film, PVC, PP, PE
Operation system	Windows 7/10 64bit.RAW≥500G. SSD≥128G.CPU≥Inte i5
RIP software	Photoprint(Caldera for option)
Work environment	Temp.: 18~26℃ to reduce the static Humidity: 40~70% to reduce the static
Power	Max power: 10KW; AC,50HZ/60HZ; 220V(±10%) > 45A (2.2M/3.2M) 380V(±10%) > 30A (5.3M/6.6M)
File format	Tiff,JPEG,EPS,PDF
Machine dimension	9500x2300x1900mm option Front and rear extensional frame desk (6.6m) 8194x2162x1772mm option Front and rear extensional frame desk (5.3m) 5970x1600x1640mm option Front and rear extensional frame desk (3.2m) 4960x1500x1600mm option Front and rear extensional frame desk (2.2m)
NW/GW	8000kg (6.6m) / 6000kg (5.3m) / 2200kg (3.2m)
Security Certificate	CE

3.2M/5.3M
Four rubber roller double-sided UV printer

Double Carriage Asynchronous Printing
Work as 2 unit single-sided machine
Double Carriage Synchronous Printing
Work as high efficient one-step double-sided machine

230m²/h
Double Carriage Asynchronous Printing
single-sided speed

115m²/h
Double Carriage Synchronous Printing
double-sided speed

ALL WIN

3/4 row KM1024A

◆ Double Carriage Asynchronous Printing, Work as 2 unit single-sided machine
◆ Double Carriage Synchronous Printing, Work as high efficient one-step double-sided machine
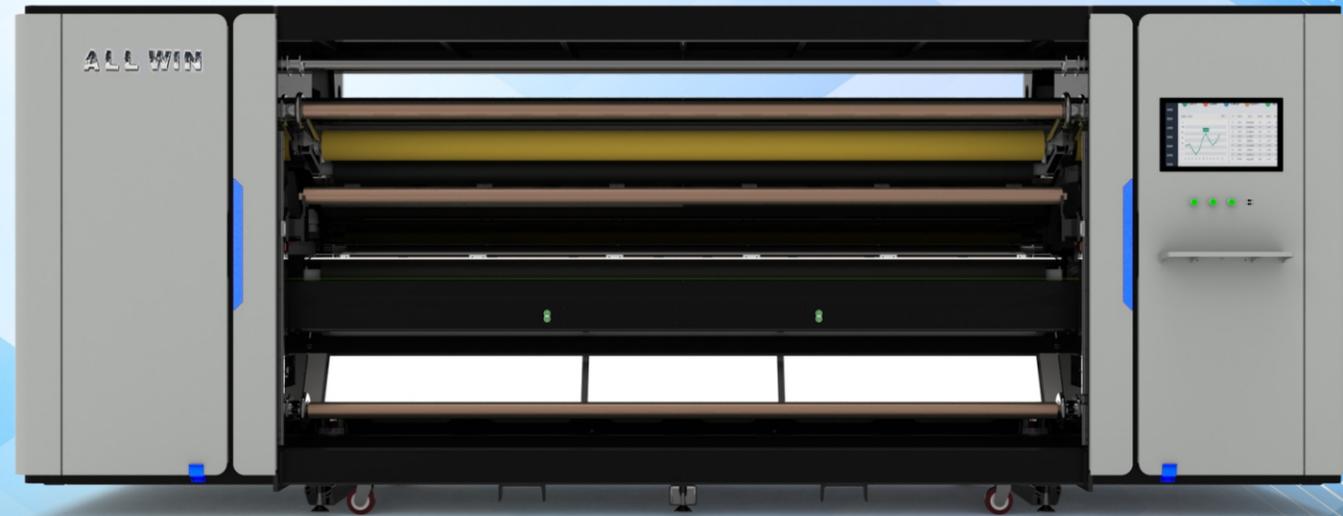◆ Independent heating system of sub ink tank, automatically ink self-locking after power off and self-unlocking when powered on;
◆ High density body frame structure;
The whole machine uses frame and wallboard structure, benchmark precision milling and positioning processing, the whole machine is more stable, and the printing is more accurate;
◆ Double guide rail design and linear motor system
High precision assembled and adjusted for more stable carriage movement, reduce maintenance costs;
◆ X Linear motor& metal raster movement system
High precision printing and stable funning
◆ Water-cooled printing platform & adjustable suction area
Standard equipped three-channel cold water circulation to meet customer high-temperature and longterm platform printing;
AC fan is used for suction, more stronger fan power to adapt to various materials, and through zone control meets customer's suction requirements for different picture size.

KONICA 1024A Atom printhead
Production speed up 30%!

Nozzle amount	Min ink dot PL	Variable ink dot PL	Max ink dot PL	Head length	Head physical precision
1024	**6PL**	**6PL-24PL**	**24PL**	**72.2mm**	**360NPI** (one head one color)

Machine Model	3.2M/5.3M Four rubber roller double-sided UV printer
Printhead Model	KM1024I-13PL/KM1024A
Printhead No:	8-42pcs
Resolution	1440 dpi,2160 dpi
Output（3rows）	230m²/h (2 Carriage single-sided)　　115m²/h (double-sided) 180m²/h (2 Carriage single-sided)　　90m²/h (double-sided)
Maximum media width	3.2m/ 5.3m
Maximum media thickness	1.5mm
Applicable media	Soft film, tarpulin, car sticker, banner,lamp film and other various coils
Ink type	Soft UV ink
Ink color	C、M、Y、K、LM、LC、W
Machine size（L*W*H）	5760MM*1775MM*2180MM (3.2M)　　8700MM*2300MM*2500MM (5.3M)
Machine NW	5200KG (3.2M)　　12500KG (5.3M)
Power	10.6KW（46A）
Electricity	230VAC.50HZ/60HZ L/N/PE
Rip software	PHOTOPRINT , CALDERA
UV Curing method	LED lamp
Data transmission method	High-speed USB3.0 transmission
Environmental requirements	Independent, clean, low-light, well-ventilated workplace
	Environmental temperature：: 18℃～30℃（64℉～86℉）
	Relative humidity: 30% ~ 70% (no condensed)

NOTE: As products are keeping upgraded, any change of specification will not inform particularly. All rights are reserved by ALLWIN

3.2m/5.3m AI double-sided UV printer

AW-3200D/AW-5300

3 row KM1024A

Adopt intelligent AI visual recognition technology for
double-sided UV printer

60m²/h
CMYK（Double-sided mode）

38m²/h
Color+White+Color

120m²/h
CMYK（Single-sided mode）

◆ **Independent heating system of sub ink tank, automatically ink self-locking after power off and self-unlocking when powered on**

◆ **High density body frame structure**
The whole machine uses frame and wallboard structure, benchmark precision milling and positioning processing, the whole machine is more stable, and the printing is more accurate;

◆ **Double guide rail design and linear motor system**
High precision assembled and adjusted for more stable carriage movement, reduce maintenance costs;

◆ **Water-cooled printing platform & adjustable suction area**
Standard equipped three–channel cold water circulation to meet customer high–temperature and longterm platform printing;
AC fan is used for suction, more stronger fan power to adapt to various materials, and through zone control meets customer's suction requirements for different picture size.
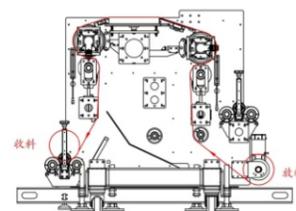
◆ **Dual-machine linkage**
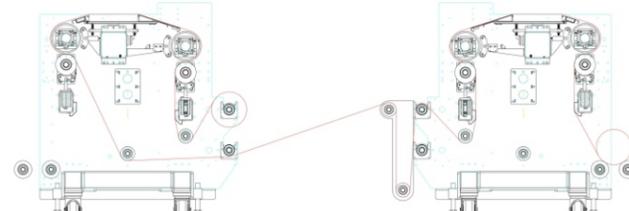Dual-machine linkage for Double-sided printing. When only print Single-sided job get double speed production.

Material transmission sketch
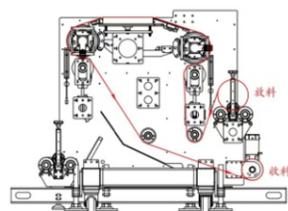
Print side A

Print side B

Single machine media transmission sketch

Combo machine media transmission sketch

Technical info

Machine Mode	AW-3200D		AW-5300	
Maximum media width	3200mm		5200mm	
Resolution	Max 720x2880 DPI		Max 720x2880 DPI	
Ink color	C、M、Y、K、Lc、Lm、W、Lk		C、M、Y、K、Lc、Lm、W、Lk	
Print head	3 row KONICA1024A-6PL	4 row KONICA1024I-6PL	4 row KONICA1024I-13PL	4 row KONICA1024A-6PL
Print speed	CMYK (Double-sided mode)	60m²/h	74m²/h	86m²/h	74m²/h
	Color white color mode	38m²/h			
	CMYK (Single-sided mode)	120m²/h	148m²/h	176m²/h	148m²/h
	Single-sided Backlit production mode	75m²/h	96m²/h	116m²/h	96m²/h
	Single-sided Backlit quality mode	57m²/h	72m²/h	88m²/h	72m²/h
Maximum media thickness	Max 10mm		Max 48mm	
Ink type	High quality Eco-friendly ink			
Applicable media	Soft film, knife scraping cloth, car sticker, banner,lamp film and other various coils			
Data transmission method	High-speed USB3.0 transmission			
Media printing model	RTR, Auto feeding& collecting system			
Cleaning system	Individual positive pressure cleaning, Prevent clogging head with auto spray			
UV Curing method	Imported LG LED UV lamp			
Image Format	BMP/ TIF/ JPG/ PDF/ EPS			
RIP software	Photoprint			
Control system	BYHX control system(16 channel max support 32 print head)			
Color control	International standard ICC color control, curve and density adjustable function			
Power	AC220V(±10%) / 50-60HZ / 5000W			
Environmental requirement	Stemperature：20℃–30℃ / Humidity：30%–65%			
Machine weight	NW. 2500kg / GW.3000kg		NW. 4300kg	
Machine dimension	L5750*W1250*H1750mm L5950*W1450*H1950mm		L7800*W1500*H2150mm	

3.2/5.3M
large format 4 rubber roller UV RTR printer

Focus on high speed UV printing, to meet the customer's satisfaction

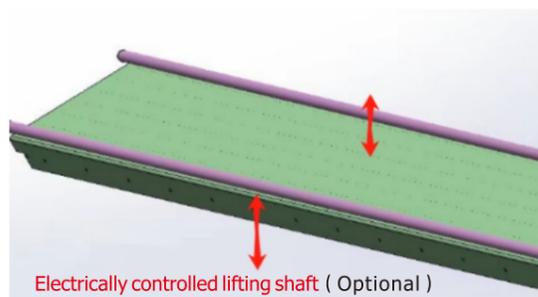**The whole roll of media is printed in one shot**

Improve stability and accuracy in an all-round way

220m²/h

4 row KM1024A

◆ **Support servo motor&torque movement for Y axis, suitable for various materials**

◆ **Independent heating system of sub ink tank, automatically ink self-locking after power off and self-unlocking when powered on**

◆ **High density body frame structure**
The whole machine uses frame and wallboard structure, benchmark precision milling and positioning processing, the whole machine is more stable, and the printing is more accurate;

◆ **Double guide rail design and linear motor system**
High precision assembled and adjusted for more stable carriage movement, reduce maintenance costs;

◆ **Water-cooled printing platform & adjustable suction area**
Standard equipped three–channel cold water circulation to meet customer high–temperature and longterm platform printing;
AC fan is used for suction, more stronger fan power to adapt to various materials, and through zone control meets customer's suction requirements for different picture size.

Electrically controlled lifting shaft（Optional）

Electrically controlled lifting shaft, suitable for mesh printing solution

Front Platform Back
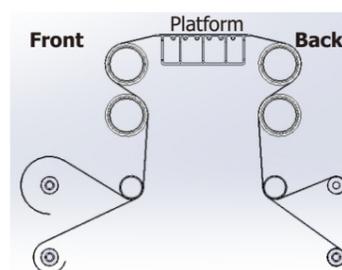
Special design media feeding& collecting system, Support load 2 roll different type medias and print in one time
(Only 3.2m machine)

Machine Model	3.2m UV RTR printer	5.3m UV RTR printer
Printhead Model	KONICA1024I-6PL/ 1024I-13PL/ 1024A	
Printhead No:	8–16pcs	
Resolution	1440 dpi, 2160 dpi	
Output（4rows）	Draft mode: 180m²/h	212m²/h
	Production mode:145m²/h	170m²/h
	High-precision mode: 87m²/h	108m²/h
Maximum media width	3300 MM	5300MM
Maximum media thickness	1.5MM	
Applicable media	Soft film, knife scraping cloth, car sticker, banner,lamp film and other various coils	
Ink type	Soft UV ink	
Ink color	C、M、Y、K、W	
Cleaning system	Positive purge each color	
Machine size（L*W*H）	5740MM*1225MM*1780MM	8350MM*1615MM*2040MM
Machine NW	3200KG	7070KG
Machine GW	3400KG	8055KG
Power	10.6KW（46A）	
Electricity	230VAC.50HZ/60HZ L/N/PE	
Rip software	PHOTOPRINT , CALDERA	
UV Curing method	LED lamp	
Data transmission method	High-speed USB3.0 transmission	
Environmental requirements	Independent, clean, low-light, well-ventilated workplace	
	Environmental temperature：：18℃～30℃（64℉～86℉）	
	Relative humidity: 30% ~ 70% (no condensed)	

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3.2 Single row Pinch roller UV Printer

3.2 double rows Pinch roller UV Printer
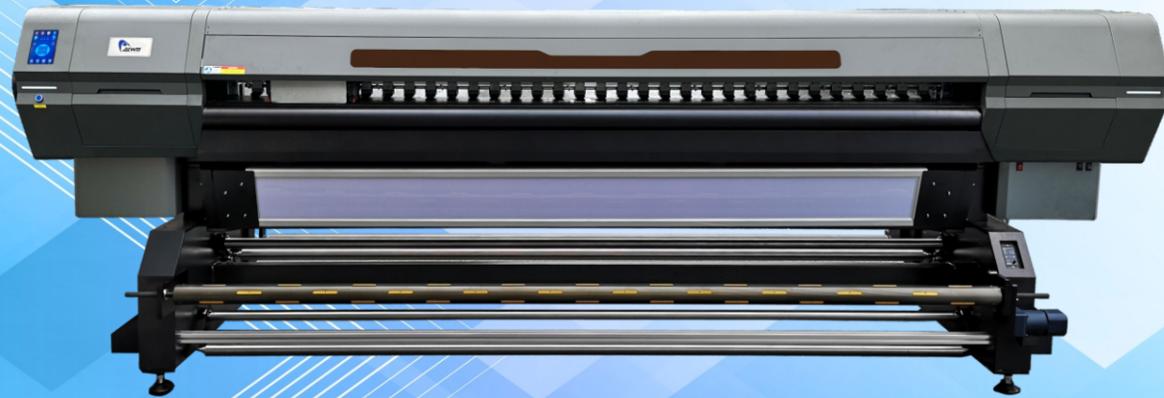
45m²/h
(Frontlit)

25m²/h
(Backlit)

10m²/h
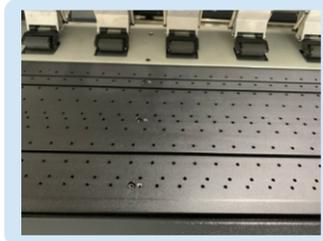(Color white color)

90m²/h
(Frontlit)

50m²/h
(Backlit)

20m²/h
(Color white color)

▲ Double guide rail, high precision assembled and adjusted for more stable carriage movement; (only double row mode)

▲ Print platform with water cooling system. The material is not wrinkle by LED UV lamp heating;

▲ Feeding& collecting system with air shaft roller, The whole roll media is printed in one shot;

▲ Feeding& collecting system with balance roller. It is suitable for printing on a variety of materials. (only double row mode)

KONICA 1024A Atom printhead
Production speed up 30%!

KONICA 1024A Atom printhead compare with competitors

1. Head length 72.2mm, each pass print length 33% more;
2. Ink dot 6PL-18PL changeable (Max 24PL) each nozzle inkjet 20-60% more ink volume, more suite for solid color printing;
3. Head physical precision 360DPI, 20% more , decrease banding in solid color printing.

KONICA 1024A Atom printhead

Competitive product
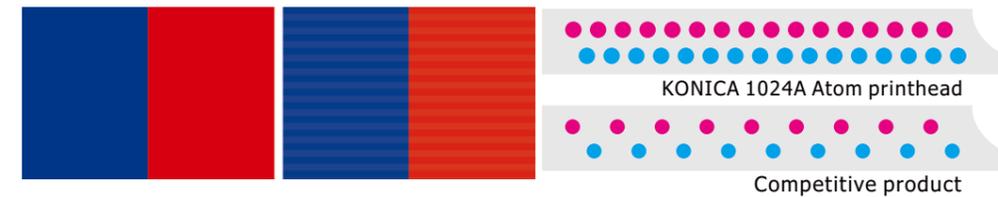
Machine Model	3.2M Pinch roller UV Machine
Printhead model	KONICA1024I-6PL/1024I-13PL/1024A
Printhead control	Software adjust printhead temperature and voltage
Printhead configuration	CMYK+W / CMYK+LCLM
Maximum printing width	3.2M
Maximum printing Resolution	1440 DPI, 2160 DPI
Ink type	UV ink
Color configuration	CMYK+W or CMYK+LCLM (Optional)
Ink supply method	Vacuum negative pressure automatic continuous ink supply
Drying device	UV LED Curing
Machine size	5130mm(L)*1330mm(W)*1550mm(H)
Package size	5300mm(L)*1100mm(W)*1730mm(H)
Machine GW	1135 KGS
Machine Voltage	220V AC,50HZ/60HZ
RIP software	Photoprint/Caldera

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KONICA UV flatbed printer
3 rows / 4 rows of printheads

Improve stability and accuracy
One head two color
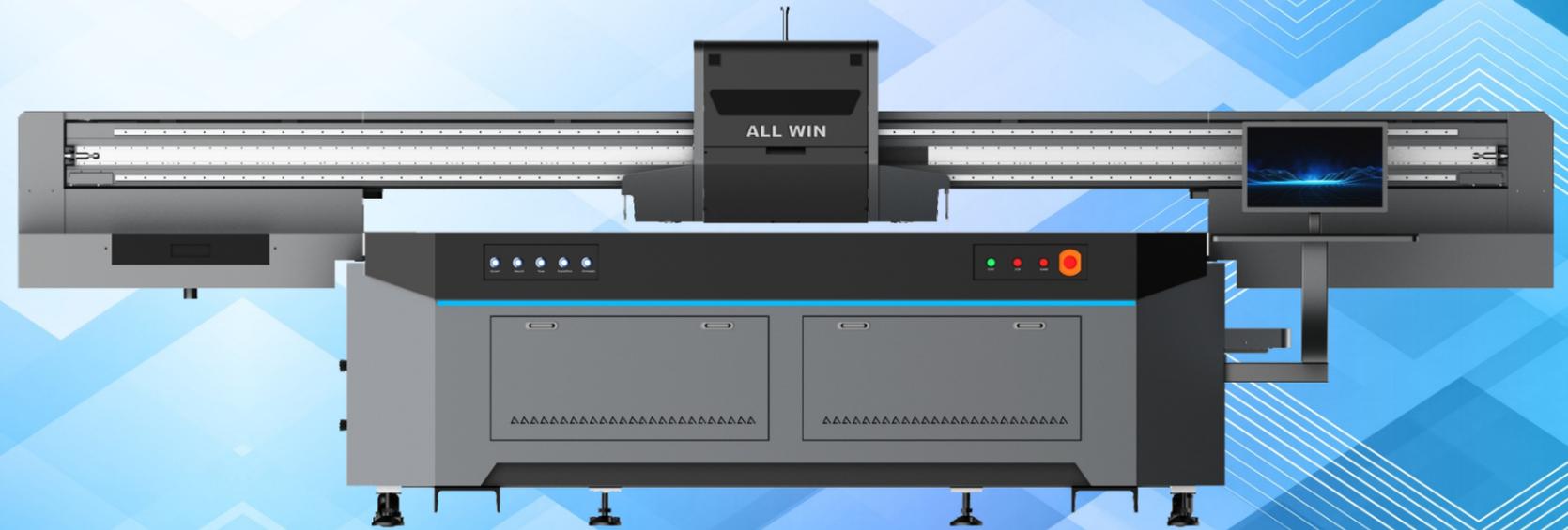Weapon for mass productionof rigid materials

ALL WIN

KM1024A high speed printhead

155㎡/h 4*YMCK/ 2*YMCK+2*W
3*YMCK/ YMCK+W+Varnish/ 2*YMCK+2W
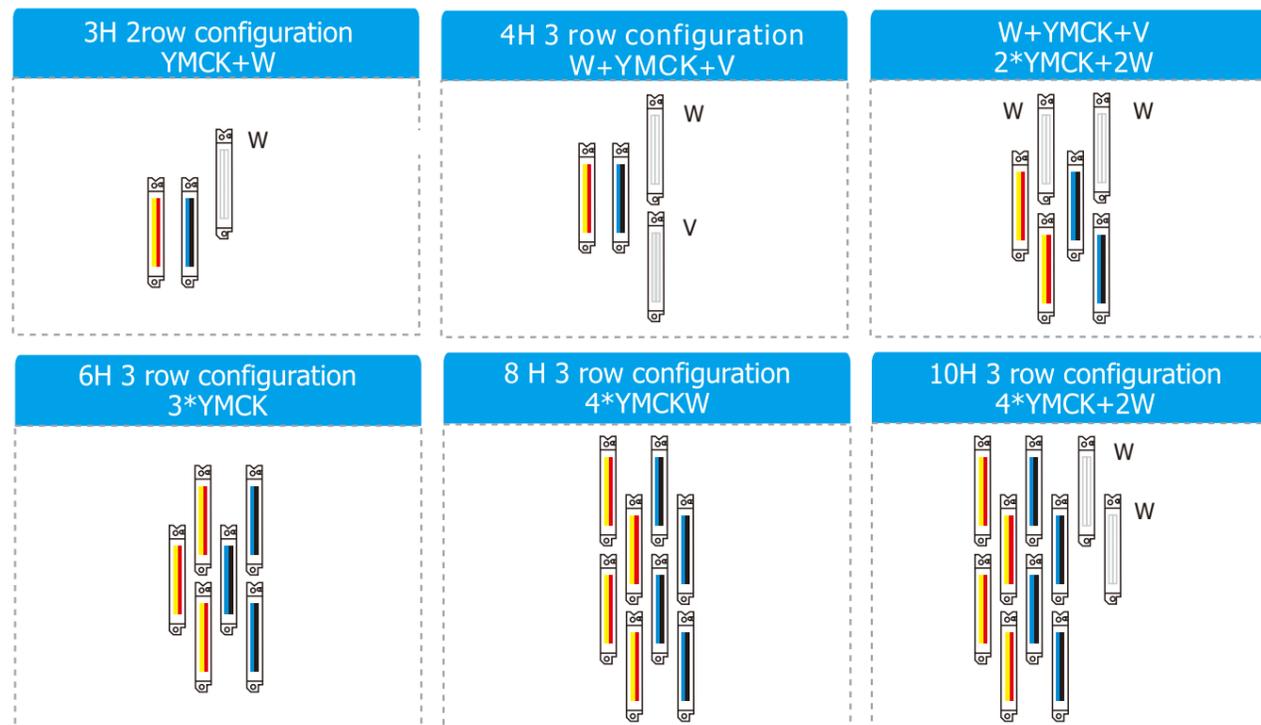
KM9888H high precision print head

65㎡/h (YMCK mode)   **45㎡/h** (high precision mode)

As UV flatbed printing enters an era of high precision and high speed demand, quality and efficiency are particularly important for printing processing enterprises. In response to market demand, Konica Minolta launch new printhead in 2025

New generation KM9888H
High precision UV printhead

| Nozzle amout	Min ink dot PL	Variable ink dot PL	Head coverage	Head physical precision
1776	**5PL**	**8Level**	**75MM**	**600NPI** 1H1C/ 1H2C

3H 2row configuration YMCK+W	4H 3 row configuration W+YMCK+V	W+YMCK+V 2*YMCK+2W
W	W / V	W W

6H 3 row configuration 3*YMCK	8 H 3 row configuration 4*YMCKW	10H 3 row configuration 4*YMCK+2W
		W / W

Machine model	UV2513/UV3225（special order）
Printhead brand	KONICA1024I-6PL/1024I-13PL/1024A
Printhead arrangement	4C+1W；4C+4C；4C+4C+2W；4C+4C+4C+4C（Optional as required）
Color option	C/M/Y/K/LC/LM/W/V
Printing size	1300mmX2500mm & 3200mm×2500mm
Printing height	100mm（Customized height to 450mm）
Printing media	Acrylic, wooden board, leather, phone shell, ceramic, glass, metal etc.
Negative pressure control system	Double negative pressure / positive&negative pressure alternative control
Printhead cleaning	Separate color purge , automatic cleaning system
Platform type and resolution	Sectional aluminium alloy platform with scales, deviation less than 0.1mm
Ink circulation system	White ink circulation, automatic stirring system to avoid printhead clog
Ink tank volume&ink level alarm	4L ink tank with ink level alarm equipment
Data transfer	USB3.0 standard port
Rated voltage and power	220V/8000W
Curing lamp	LED
Servo motor	Imported motor
Guide rail	Famous brand muted double guide rail
Carriage height adjustment	Automatic
Printhead protection	Intelligent anti-crash equipment
Working environment	Temperature 20-35℃, humidity30%-70%
RIP software	PHTOPRINT, CALDERA
Picture format	Tiff, EPS, PSD, JPG, AI
Package	Machine	2513: 4450(L)x2250(W)x1450(H)mm / 3220: 5400(L)x2500(W)xH1400(H)mm
	Package	2513: 4400(L)x2360(W)x1750(H)mm / 3220: 5500(L)x2200(W)xH1800(H)mm

KONICA 3 rows of printheads, high speed color option

1.3 rows of CMYK color option
(UV 2513)
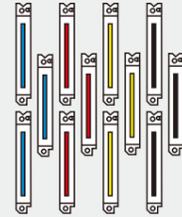
Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	125m^2/h	83m^2/h
	4pass	97m^2/h	67m^2/h
	6pass	67m^2/h	37m^2/h

2.Color+white+varnish color option
(UV 2513)
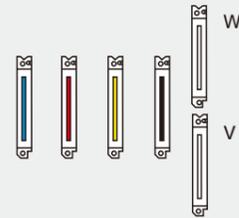
Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	43m^2/h	36m^2/h
	4pass	33m^2/h	25m^2/h
	6pass	22m^2/h	17m^2/h

3. Double rows of CMYK+ WW color option (UV 2513)
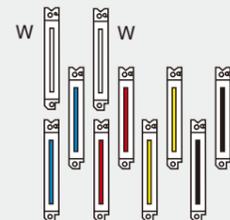
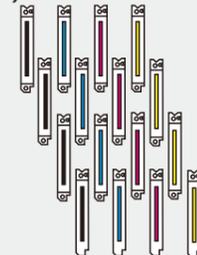| Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	83m^2/h	63m^2/h
	4pass	63m^2/h	42m^2/h
	6pass	42m^2/h	28m^2/h

KONICA 4 rows of printheads, high speed color option

1. Double 6 colors+ double white option
(UV 2513)

Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	83m^2/h	63m^2/h
	4pass	62m^2/h	42m^2/h
	6pass	42m^2/h	28m^2/h

2. 4 rows of CMYK color option
(UV 2513) suitable for mass production

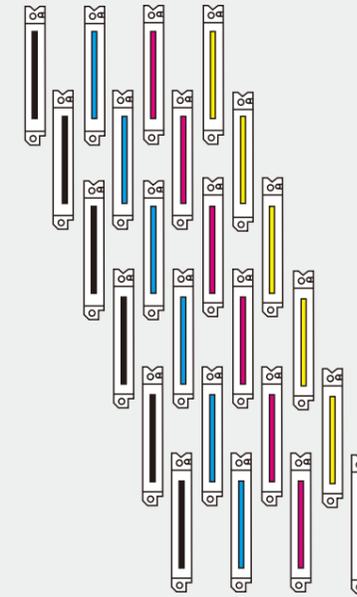| Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	144m^2/h	115m^2/h
	4pass	126m^2/h	83m^2/h
	6pass	84m^2/h	52m^2/h

3. Color white color& full color free alternative option
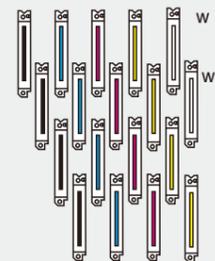
According to the printing demand, the white and color mode can be switched at will.
When there is no need to print white ink, 12 printheads full-color&high-speed printing can be achieved; if white color printing is required, 8 printheads in two rows of color inks + 2 printheads in two rows of white ink and 10 printheads of white and color can print simultaneously.
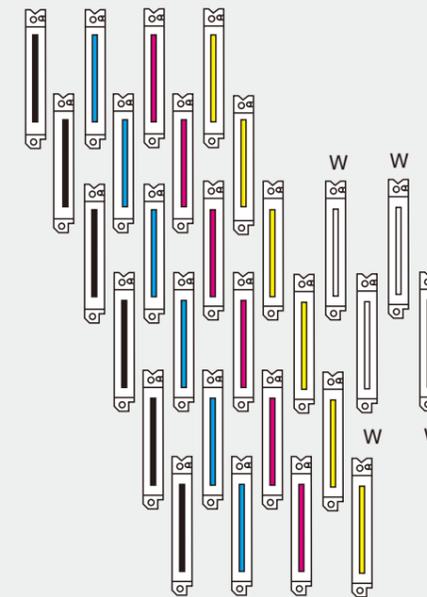
6 row print head solution (KONICA HS 2000/1024A Atom printhead)

①. 6 row 4 color/ 4 row 4 color solution (CMYK)

Speed	Production mode	High-precision mode
3pass	235m^2/h	160m^2/h
4pass	180m^2/h	120m^2/h

②. 6 row Color white color option (CMYK W CMYK)

Speed	Production mode	High-precision mode
3pass	100m^2/h	50m^2/h
4pass	70m^2/h	35m^2/h

◆ Ultra-thin double-sided light box application
◆ Shopping mall interior light box
◆ White and translucent gradient printing
◆ PET transparent film application
◆ White printing on glass partition