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.

alwin ®
Allwin Ink Jet Printer

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

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

- Eco-solvent series (Epson)
- Solvent Series(Konica Minolta)
- UV Series (Konica Minolta)

Britomatics India Pvt Ltd
Off add: 102 LGF behind nafed building Ashram Chowk New delhi-110014
Web : www.allwintech.com
Kindly get more product information and inquiry through
Email: info@allwintech.in
Mobile: +91 98101 05478

Whatsapp: +91 9810105478

Zhejiang Yurong Digital Printing Technology Co., Ltd.

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

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 2000-2023, 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 15 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 15 consecutive years.

Nozzle Laser Detection and Compensation

◆ 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	Derect use time
1 nozzle	0.002ms
1 head	$3200\ Nozzle \times 0.002 = 6.4ms$
2 head	$6400\ Nozzle \times 0.002 = 12.8ms$
4 head	$12800\ Nozzle \times 0.002 = 25.6ms$
6 head	$19200\ Nozzle \times 0.002 = 38.4ms$

◆ Laser Detection schematic diagram

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

Ink dot via Laser time

Waveform filtering time

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
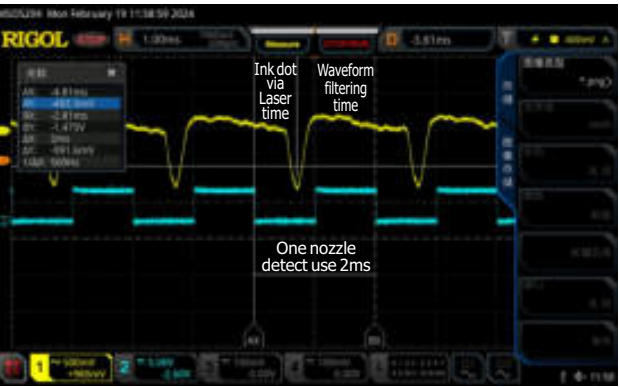
LPF Low-pass filter

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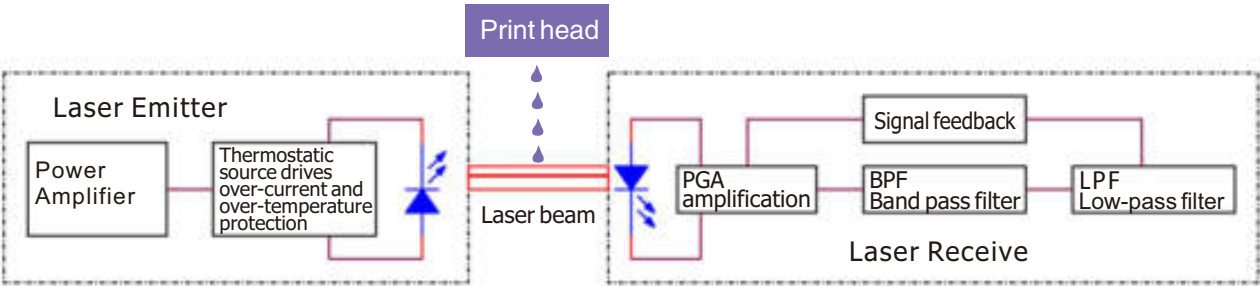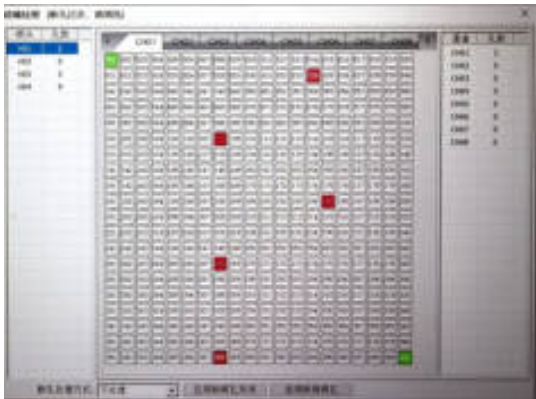
If print head missing nozzle will make output jobs with banding and low quality, especially in solid color and gradient color job. Directly cause customer dissatisfaction or loss of orders, affect customer loyalty and direct economic losses, and further affect the development and growth of enterprises.

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 Convience to use, print perfect quality job
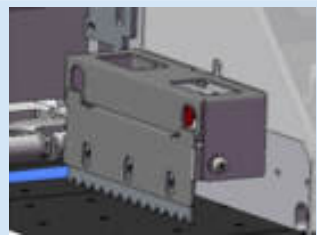## The Leader of Stable Printing !

AW-EP1604 2 Head　*Eco-solvent*

AW-EP1604 4 Head　*Eco-solvent*

2024 NEW
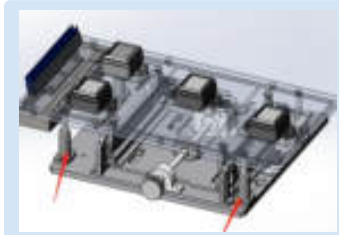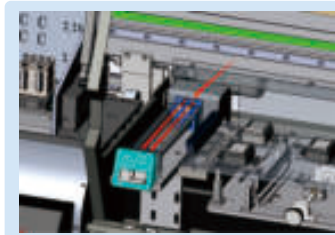
40m²/h
2 Head 4 Color

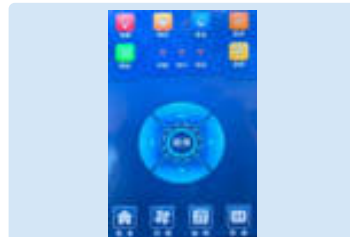**2024 NEW**

82m²/h
4 Head 4 Color

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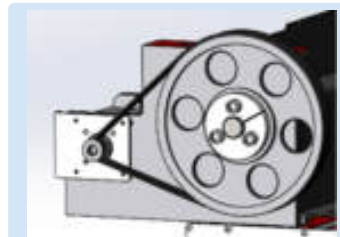
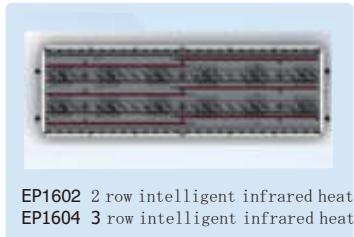▲ Ink cup adopted integrated structure of bearing positioning, ensures the stability of head maintenance；

▲ 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；

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

▲ Upgrade the hot air circulation system, which is ready to dry.

Model	AW-EP1602/ AW-EP1604	
Head model	EPSON I3200-A1 (water-based) / I3200-E1(Solvent)	
Ink model	C, M, Y, K	
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	
Head qty	2 Head 4 Color	4 Head 4 Color
Printing speed	High Speed: 40m²/h	High Speed: 82m²/h
	High Precision: 32m²/h	High Precision: 64m²/h
Size/Net weight	EP1602：2760*810*1580MM　350KG	EP1604：3000*940*1500MM　440KG
Heating system	Integrated heater, infrared dryer and fan system	
Interface/Power	Network interface / AC220V,50/60HZ	

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

ALLWIN Patents　　Leading Position in China

ALLWIN ONE TIME SUCCESSFUL HEAD CLEANING SYSTEM

More Eco-solvent printer heads, faster prodcution 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.
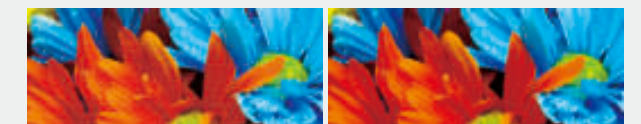
*Head Nozzles missing make banding

*Use Compensation output near perfect

PRINT HEAD NOZZLE COMPENSATION SYSTEM +

ONE TIME SUCCESSFUL CLEANING HEAD

Machine much more Convience to use, print perfect quality job
The Leader of Stable Printing !
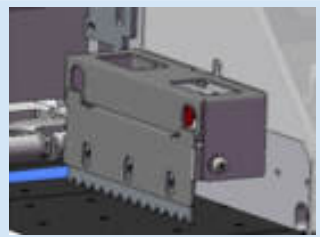
AW-EP1603 3 Head *Eco-solvent*

2024 NEW

35m²/h
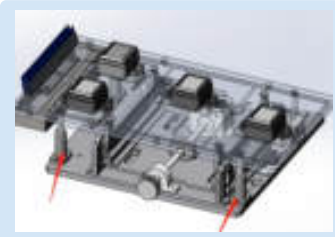3 Head 6 Color

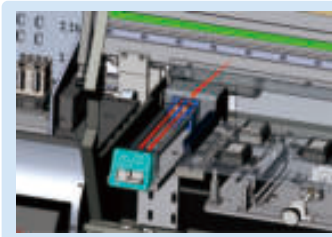# AW-EP1606 6 Head *Eco-solvent*

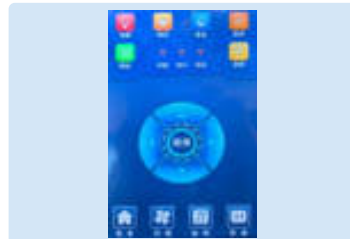**2024 NEW**

70m²/h
6 Head 6 Color

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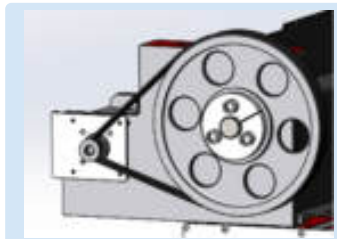
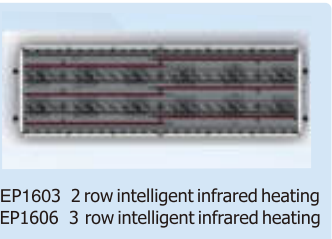▲ Ink cup adopted integrated structure of bearing positioning, ensures the stability of head maintenance；

▲ 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；

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

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

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	220ML directly sub ink tank+ 3L 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	EP1603：2760*810*1580MM　350KG	EP1606：3286*970*1725MM　420KG
Heating system	Integrated heater, infrared dryer and fan system	
Interface/Power	Network interface / AC220V,50/60HZ	

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

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♦ 4 Color   ♦ 6 Color   ♦ 4 Color   ♦ 6 Color
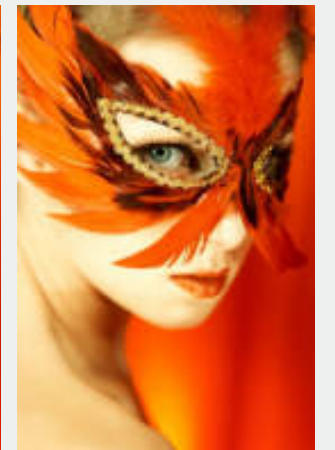
ALLWIN 6 color eco solvent printer with more brilliant COLOR and better print performance.
Fully meet and improve the production capacity and quality needs of high-end advertising users

PRINT HEAD NOZZLE COMPENSATION SYSTEM

+

ONE TIME SUCCESSFUL CLEANING HEAD

Missing nozzle one time maintenance save ★★★★★

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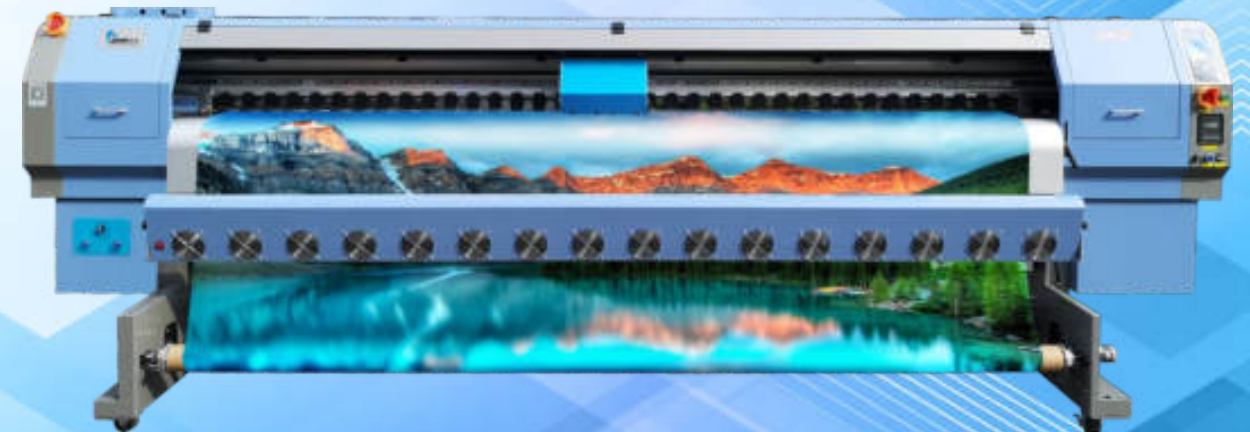## The Leader of Stable Printing !

AW-EP19 8 heads printer
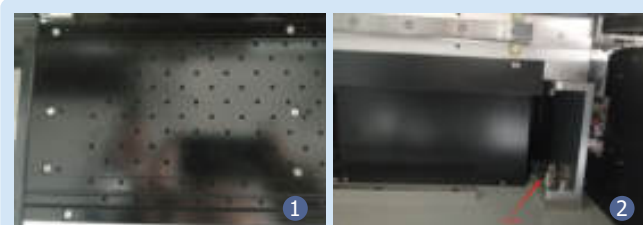
AW-EP32 2/4/8 heads printer

Using heavy duty feeding & collecting system, can handle 500 meters large roll material to ensure high speed printing without deviation and wrinkling, and instant drying in the same time
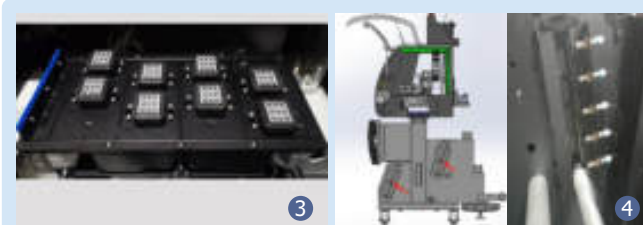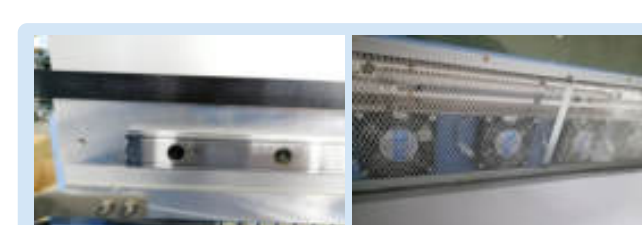
248m²/h

280m²/h

1. The upgrade of the absorption platform will possess levelling function for ensuring the precise fall of the ink drop and the high precision printing;
2. The whole beam is strengthened and fixed at multiposition and improves the parallel accuracy of the guide rail and the beam, making the machine run more stably;

3. Screw drive cleaning structure, improve the moisture accuracy of ink cup;
4. The feeding and winding system with the balance bar drived by the professional bearing with rack ensures that the both ends of the material are always kept at the same height in the printing process.

1. Imported THK high accuracy mute lead rail;
2. Standard equipped with intelligent infrared heating and air drying system;

3. Print heads collision avoidance system can effectively prevent the head from crashing during printing;
4. 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	AW-EP19 8 heads printer
Head Model	EPSON I3200-A1 \ EPSON I3200-E1
Printhead quantity	Eight heads
Ink Model	C, M, Y, K, LC, LM, LK, LLK, OR, GR four colors / eight colors, free combination scheme
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.
Print width	1.9M
Medium	Width:1.9m Thickness:1.8mm Weight:200KGS
Ink cartridge — Type	Solvent/water-based/Sublimation
Ink cartridge — Volume	220cc 2nd cartridge +3.0L Big volume ink-bottle
Ink cartridge — Color	4/8 Colors
Printing resolution	Maximum 2400dpi
Printing speed	1pass(360*1200DPI): 248m²/H
Printing speed	2pass(360*2400DPI): 126m²/H
Machine size/NW	3710MM*1230MM*1930MM / 700 KG
Package size/GW	3900MM*1170MM*1850MM / 800 KG
Heating system	Integrated heater, infrared dryer and fan system
Interface/Power	USB3.0 AC220V,50/60HZ
Environment	Temperature 18℃-28℃ Humidity 40%-60%

Model	E3202	E3204	E3208
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, wallcovering, curtains, digital printing paper
Medium	Width:3.2M Thickness:1MM Weight:80KG		Width:3.2M Thickness:2MM Weight:120KG
Ink cartridge — Type	Solvent/water-based/Sublimation		Solvent/water-based/Sublimation
Ink cartridge — Volume	400ML directly sub ink tank+ 5L main ink tank		400ML directly sub ink tank+ 5L main ink tank
Head qty	2PCS	4PCS	8PCS
Printing speed	3pass:47m²/h	3pass:94m²/h	1pass:280m²/h
Printing speed	4pass:36m²/h	4pass:72m²/h	2pass:140m²/h
Printing speed	6pass:26m²/h	6pass:52m²/h	
Machine size/NW	4574MM*968MM*1489MM / 880 KG		4735MM*1350MM*2000MM /1000 KG
Heating system	Integrated heater, infrared dryer and fan system Power:AC220V,50/60HZ		

AW-EP1604-I3200 U1 *UV printer*

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

NEW

▲ 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.

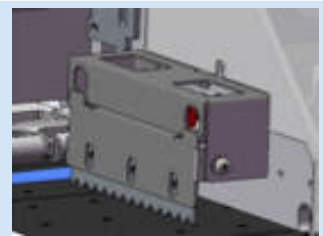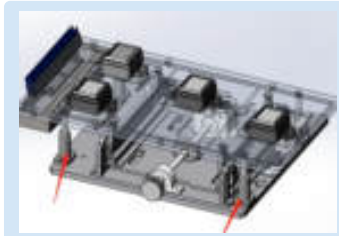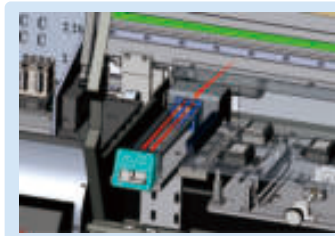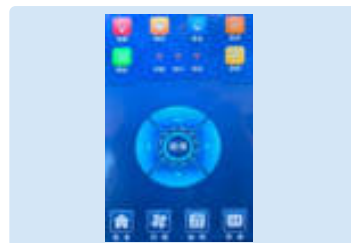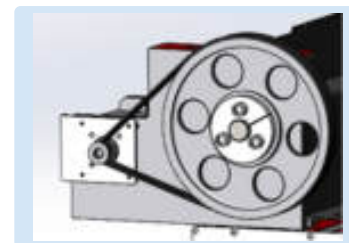| Model	AW-EP1604 UV	
Head model	EPSON I3200-U	
Ink model	Y, M, C, K, W, V	
Wide application	Indoor and outdoor PP and photo paper, car sticker, water - based backlit film, eco-solvent lamp, canvas, non-wovenCloth, digital printing materials, etc.	
Medium	Width:1.62M Thickness:3MM Weight:60KG	
Volume	220ML directly sub ink tank+ 1.5L main ink tank	
Ink type/color	UV: 4Colors	
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	

HB1804UV / HB1806UV-I3200 U1 *UV printer*

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

NEW

▲ 3 zones Intelligent heating system

▲ Adjustable table vacuum pump

▲ Adjust carriage height 2-30mm
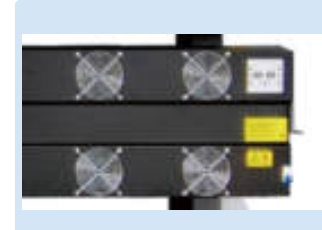
▲ Intelligent infrared heating and air drying system

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	Maintop,Photoprint(optional)		
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		

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	220V/60A/50HZ
Machine max power	13595W
Printing system	1495W
Front&rear heater	5500W
Infrared heater	6600W
Machine package size	7250(L)*1150(W)*1930(H)mm
Machine body size	7050(L)*912(W)*1570(H)mm
Gw（kg）	2350KG
Nw（kg）	2100KG

*Specifications are subject to change without prior notice, all rights reserved
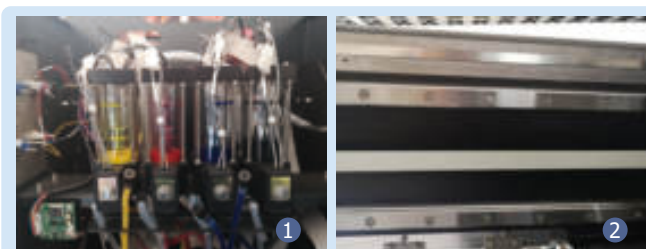
1. Negative pressure system with electronic valve, easy to operate;
2. High quality mute double guide rails with metal raster ensure smooth production and high quality image printing request;
3. The stepless adjustment system for the height of the carriage ensure printing of different materials thickness;
4. The design of the capping station with waste ink collection tank prevents machine pollution from waste ink,effectively keeps machine clean.

E520 5M Giant inkjet printer

(Max Printing width is 5285MM)

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

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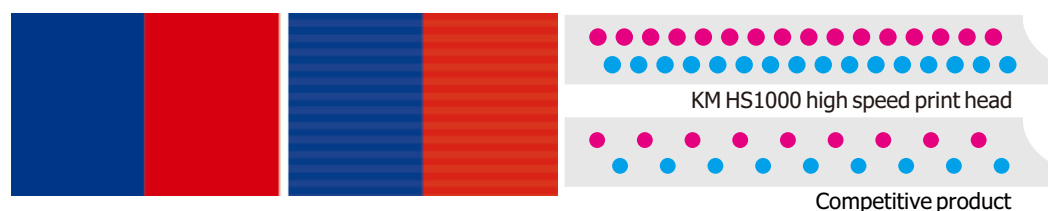**280m²/h** KM512I-30PL

* 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;
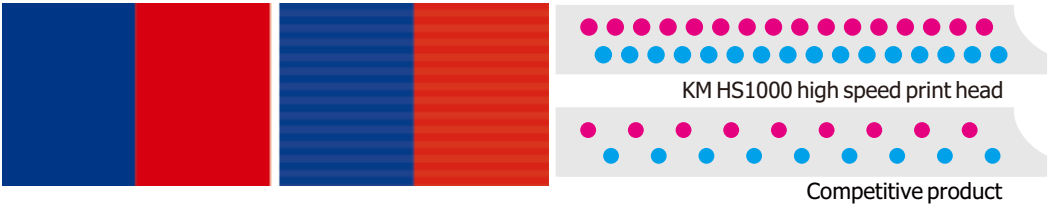2. The print head anti-collision system can effectively prevent head damage during printing;
3. Adopt reflective photoelectric switch for all kinds of media feeding;
4. Two full length guide rails effectively ensures carriage stable running when printing.

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 package size	7250(L)*1150(W)*1930(H)mm	
Machine body size	7050(L)*912(W)*1570(H)mm	
Gw（kg）	2350KG	
Nw（kg）	2100KG	

C8 PLUS inkjet printer

2024 NEW

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%

C8 inkjet printer   280m²/h

▲The pinch roller assembly adopts the Eco solvent machine pinch roller structure, which makes the picture combination more precise, the stitching is more perfect, and the fan power is larger;

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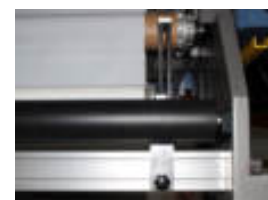
▲The feeding system adopts built-in movable media fixing structure to prevent the material from deviation;

▲ 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.

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

C8 PLUS Technical Specifications

| Model	C8 PLUS	
Head Model	KM512I-30PL	KM-HS1000/6988H
printhead quantity	8	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 package size	5000(L)*1050(W)*1630(H)mm	
Machine body size	4840(L)*940(W)*1400(H)mm	
Gw（kg）	1135KG	1135KG
Nw（kg）	1035KG	1035KG

C8 PLUS (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 PLUS (KM512i-30PL 8 head)

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

C8 Technical Specifications

Model	C8
Head Model	KM512I-30PL
printhead quantity	8
Drop volume	30PL
Drying system	Infrared- heater fan
Print width	3300mm
Rip software	UltraPrint / MainTop / Photo Print / PrintFactory
Electricity requirement	220v/60A/50HZ
Machine max power	9095W
Printing system	1145W
Front&rear heater	3750W
Infrared heater	4200W
Machine package size	4700(L)*1030(W)*1570(H)mm
Machine body size	4450(L)*940(W)*1300(H)mm
Gw（kg）	975KG
Nw（kg）	875KG

C8 (KM512I-30PL 8 head)

2pass	360×360dpi	280m²/h
3pass	360×540dpi	180m²/h
2pass	480×360dpi	240m²/h
3pass	480×540dpi	140m²/h
4pass	480×720dpi	110m²/h

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

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

2024 NEW

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

1. Adopt metal raster with magnetic linear motion sytem, 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	360DPI (one head one color)

Model	3.2m/5.3m/6.6m giant hybrid UV printer
Printhead	KM1024A SHE 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)
Color option	CMYK/double CMYK/ CMYK LC LM (White and 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	3200mm / 5200mm/6600mm
Ink type	UV curing ink
Option	Front and rear extensional frame desk
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
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)
NW/GW	8000kg (6.6m) / 6000kg (5.3m) / 2200kg (3.2m)
Security Certificate	CE

5.3m large format 4 rubber roller UV RTR printer

The whole roll of soft film is printed in one shot

Improve stability and accuracy in an all-round way

220m²/h

4 row KM1024A

1. **Separately color cleaning button and sub ink tank pre-heating, full head plate pre-heating**
   Convenient maintenance heads and constant temperature control for ink supply;
2. **X Linear motor& metal raster movement system**
   High precision printing and stable running
   Water-cooled printing platform & adjustable suction area
   One-piece printing platform with water cooling and adjustable vacuum suction;
3. **4 rubber roller Y movement system**
   Machine Y movement with double 1.5KW servo motor, stable moving when printing;
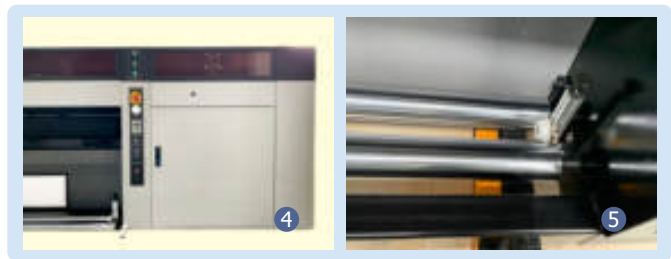
4. **Auto/ Manual Tension system**
   Front Y roller with software auto tension and manual adjustable tension system,
   This make meidia no wrinkle and tight when printing;
5. **Multi-roll printing support**
   Machine support 2 or more Rollers printing in one time.

Machine Model	5.3m large format 4 rubber roller UV RTR printer
Printhead Model	KONICA1024I-6PL/1024I-13PL/1024A
Printhead No:	Optional 24pcs, 4row*6
Resolution	1440 dpi,2160 dpi
Output (4rows)	Draft mode: 212m²/h
	Production mode: 170m²/h
	High-precision mode: 87m²/h
Maximum media width	5.3m
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
Machine size (L*W*H)	8350MM*1615MM*2040MM
Machine NW	7070KG
Machine GW	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)

E320 UV Pro Blanace Rubber Roller Printer

3 rows / 2 rows KM Atom printhead(1024A)

Improve stability and accuracy in an all-round way

Compatible with all kinds of materials, especially suitable for soft film, Pearl Light Backlit

NEW

169m²/h

| **Easy** Two feeding/ collecting structures | **Rubber roller** Pro-balanded tension system | **Stable** Imported spareparts | **Professional** Water cooling platform |

Advantages

1. It can print whole roll media in one shot. Each material protion is close to the platform surface to ensure every ink drop be right on the accurate position and guarantee perfect image quality. especially for back-lit printing.

2. The E320UV system will also handle soft film materials as thin as 0.18mm without any wrinkle or deformation on the prints. Other UV printers with traditional 4 rollers system only allow up to 0.22mm thick media and still commonly have issues with media wrinkle. This E320UV system ensure all high printing quality on all type of backlit film media in this system;

3. Our latest design with the water cooling platform ensure consistent condition to prevent stretch and wrinkle, as well as ensure no deformation on heat sensitive media.

KONICA 1024A Atom printhead
Production speed up 30%!

Patented Technology, Counterfeiting was strongly prohibited！

All Printing medias were smoothly tighted on the surface of the printing platform; Allwin printer ensure each droplet was accurated poisitioned in its designed original position to present the precise jetting performance;

Allwin highly recommend the soft film and any thin substrates printing due to its wrinkle free printing platform design, perfectly avoiding wrinkle attack to the carriage system during the mass printing production.

UV balance rubber roller printer	Invention patent	201811139075.2
UV balance rubber roller machine media moving movement system	Utility model	201821590209.8
water cooling and fan sucking system for UV printer platform	Utility model	201821590210.0

Machine Model	E320UV Balance Rubber UV RTR printer
Printhead model	KONICA1024I-6PL/1024I-13PL/1024A
Printhead No	Optional (4-14pcs)
Resolution	1440DPI, 2160DPI
Maximum printing width	3.2m
Maximum media thickness	2mm
Applicable media	Soft film, knife scraping cloth, car sticker, banner,lamp film and other various coils
Ink type	Soft UV ink
Ink color	CMYK W
Machine size (L*W*H)	5750(L)*1470(W)*1660(H)mm
Power	Printing system power: 6050W, Maximum total power:10000W (with water cooler)
Machine NW	2450KGS
Machine GW	2550KGS
Rip software	PHOTOPRINT , CALDERA
UV Curing method	LED lamp

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

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)

1. Optimized design of the unwinding structure to meet the printing needs of various materials of external light, internal light and soft film;
2. Compared with the four rubber roller machine, the media loading and unloading is convenient and flexible, reducing the operator workload of changing the material frequently, reducing the tailings. Less material scrap, and reduce production costs;
3. The whole machine cost is low, which is convenient for customers to quickly receive various small orders for production;
4. Densely pinch roller arrangement;
5. Equip with professional feeding system to ensure the accuracy of stepping.
6. The printer adopts a watercooling platform, which is suitable for many printing materials, it can provide long term stable printing for heat-sensitive materials such as soft films and car stickers;
7. The optimized design supports double rolls of media printing at the same time, one machine is equivalent to two-machine. Compared with the traditional rubber roller UV printer, at least 1 meter media is saved each production.

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
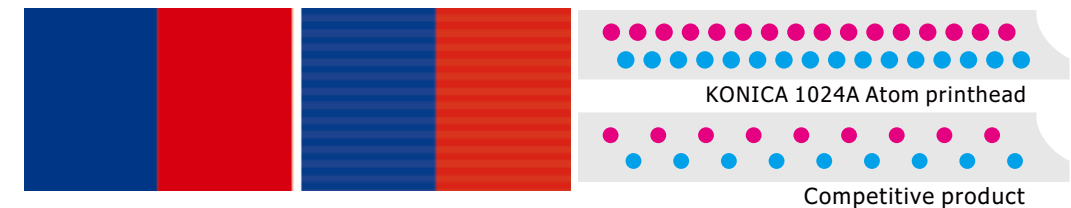
Machine Model	3.2M Pinch roller UV Machine
Printhead model	KONICA1024I-6PL/1024I-13PL/1024A
Printhead control	Software adjust printhead temperature and voltage
Printhead configuration	CMYK+W / CMYK+LCLM
Maximum printing width	3.2M
Maximum printing Resolution	1440 DPI, 2160 DPI
Ink type	UV ink
Color configuration	CMYK+W or CMYK+LCLM (Optional)
Ink supply method	Vacuum negative pressure automatic continuous ink supply
Drying device	UV LED Curing
Package size	5000mm(L)*1050mm(W)*1630mm(H)
Machine size	4840mm(L)*1320mm(W)*1560mm(H)
Machine GW	1135 KGS
Machine Voltage	220V AC，50HZ/60HZ
RIP software	Photoprint/Caldera

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KING
KONICA UV flatbed printer
3 rows/4 rows of printheads

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

Improve stability and accuracy in an all-round way

High-speed model
4 rows printhead configuration
Super high speed
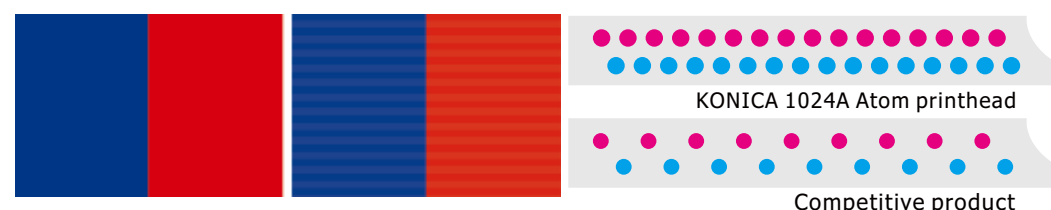weapon for mass production of rigid materials

155m²/h

NEW

ALL WIN

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

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	360DPI (one head one color)

ALLWIN new lanuch KONICA 1024A Atom printhead machines series include: Roll to Roll UV, UV Flatbed,Hybrid UV. Production speed up 30%.

With the original certified Japanese brand UV ink (hard/flexible/neutral), it brings more accurate color reproduction, finer color presentation, and smoother color level transition to the picture, meeting the needs of advertising, home decoration, exhibition display, and logoSignage and other customer needs in different industries!


◆ 4 rows/4 colors　　◆ Double 6 colors+double row of white
◆ Various color configuration between color and white
◆ 3 rows/4 colors　　◆ White+color+varnish　　◆ Double CMYK+ double white

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

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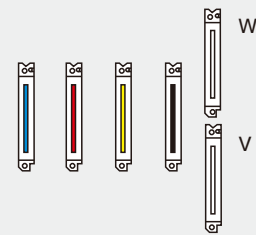
KONICA 3 rows of printheads, high speed color option
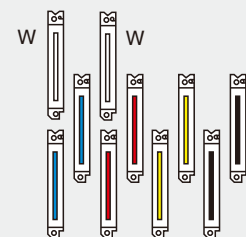
1.3 rows of CMYK color option
(UV 2513)
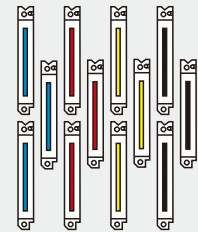
Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	125m²/h	83m²/h
	4pass	97m²/h	67m²/h
	6pass	67m²/h	37m²/h

2.Color+white+varnish color option
(UV 2513)

W
V

Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	43m²/h	36m²/h
	4pass	33m²/h	25m²/h
	6pass	22m²/h	17m²/h

3. Double rows of CMYK+ WW color option (UV 2513)

W   W

Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	83m²/h	63m²/h
	4pass	63m²/h	42m²/h
	6pass	42m²/h	28m²/h

KONICA 4 rows of printheads, high speed color option

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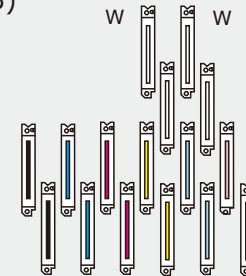
W   W

Head Mode	Speed	Production mode	High-precision mode
KM Atom printhead (1024a)	3pass	83m²/h	63m²/h
	4pass	62m²/h	42m²/h
	6pass	42m²/h	28m²/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	144m²/h	115m²/h
	4pass	126m²/h	83m²/h
	6pass	84m²/h	52m²/h

3. Color white color& full color free alternative option

w

w

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	235m²/h	160m²/h
4pass	180m²/h	120m²/h

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

W   W

W   W

Speed	Production mode	High-precision mode
3pass	100m²/h	50m²/h
4pass	70m²/h	35m²/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