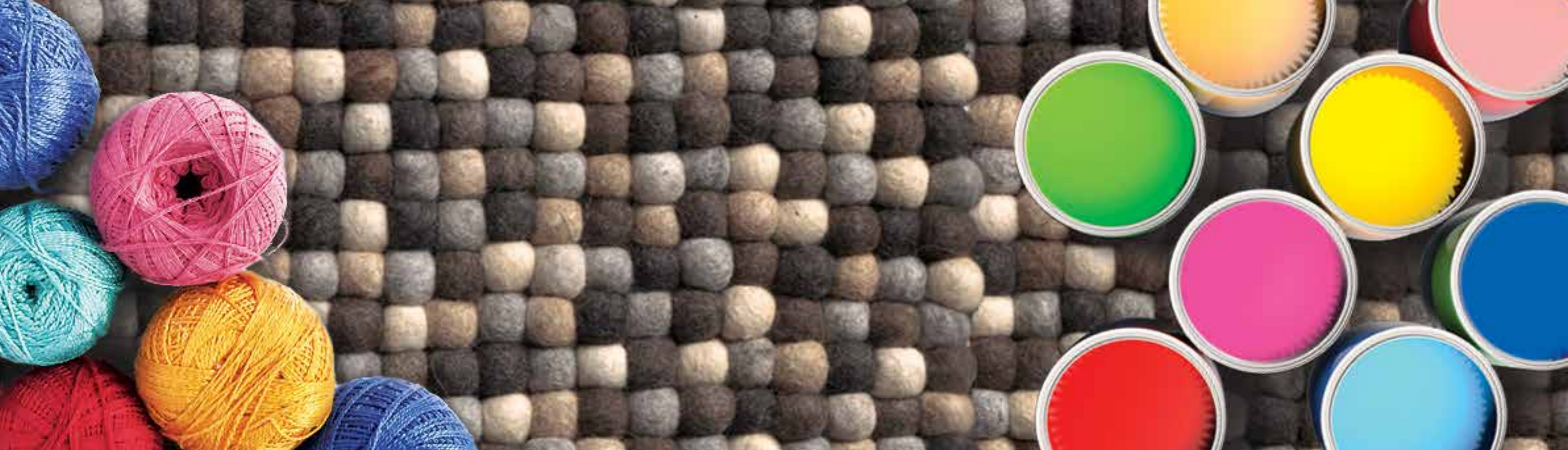


there is
nothing
like
papyrus



Speed is nothing without Control

High speed,
good looking prints,
for large volume printing 24/7.

Papyrus arete

Elements for a high productivity
of good looking prints



HIGH PRODUCTIVITY

Max. 80m²/hour by 1200 dpi resolution



6 COLORS

More color gamut



JUMBO-ROLL FEEDER

for a high productivity for large volume printing



HIGH DETAILED PRINTING

2.5 pl drop size and a native 600dpi resolution



HIGH DURABILITY

Strong structure allows non-stop printing 24/7



USER- FRIENDLY

dPPA (d.gen Pilot Printing Assistant) provides easy control of the printer and production

Papyrus arete

The Papyrus high speed and high quality helps you to surpass your competitors with 6 color expanded gamut printing.

The printer's speed is determined by the number of dots per inch per color.

The Papyrus 740k is equipped with best print heads in this class with 1280 nozzles per color, giving a native resolution of 600dpi.

Papyrus 740k can print 1200 dpi high resolution images with only 2 passes, at a speed of 80 m²/hour. High capacity media management allows for all night long non-stop printing without reloading media. **based on paper rolls with a maximum diameter of 30 cm.*

In addition, We use the latest technology in printheads jetting a 2.5 Pico liter drop size providing high definition and superior image quality together with 6 colors.

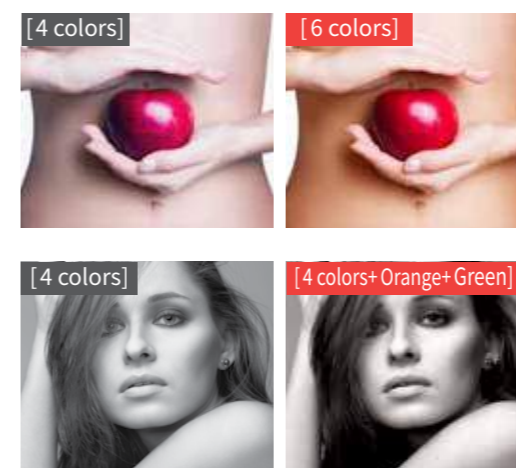
Furthermore, technologically advanced grey scale waveforms deliver smooth prints without dithering.

01

Various ink sets with 6 colors in addition to high speed printing meets the customer expectations.

light black, to smoothly reproduce the realistic human skin and orange ink makes your prints to look natural and realistic. 92%* of the PANTONE® chart is obtained by adding orange and green as the extra colors. Stunning prints by using fluorescent inks it is possible with Papyrus.

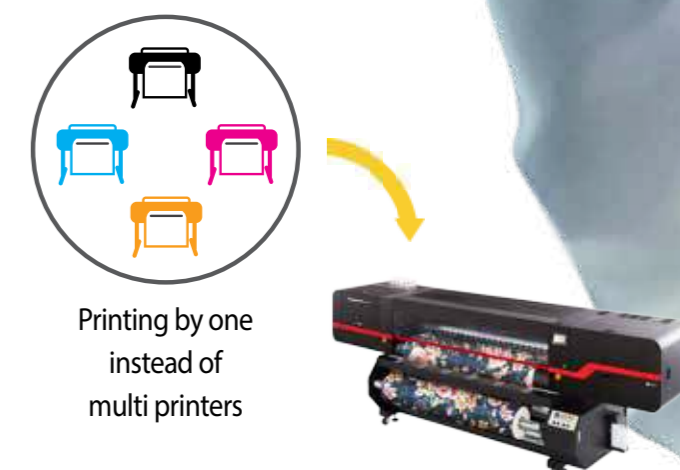
*estimated value by d.gen



02

Color difference of the same image by multiple printers never happens with only one high productivity printer.

One industrial printer as like Papyrus, productivity can surpass the output of multiple studio level printers. Papyrus runs non-stop overnight without re-loading media. Production costs greatly reduced since the problem of color variation cannot occur if printed by one printer. non-stop large volume printing without difference of colors greatly increases the profits, customer's satisfaction too.



Thanks to Jumbo-roll feeding system
you can print over 1500m²/day, everyday.

Papyrus arete

03

dPPA (d.gen Pilot Printing Assistant) allow easy printing.

control of the printer and printing is easy with one touch ICONs on panel. Tells the operator if the working temperature and humidity is suitable or not for the long conservation of the print heads. You can determine the printing speed, number of passes, turning on/off the dAPC* function upon request. The bi-directional alignments are automatically re-adjusted when changing the carriage height.

The touch screen is equipped with maintenance procedure videos to extend the life for the printer. dPPA also informs the use of genuine inks which allows the user to enjoy a variety of services from d.gen or regional partner

* d.gen Advanced Printing Control

[main menu]



[Maintenance]



[Print value setting]



[Function setting]



PAPYRUS arete SPECIFICATIONS	
Print head	1280 nozzles per head 2.5pl / 600 dpi native resolution
Number of nozzles per color	1280 nozzles per color x 6 color (or 4 color optional)
Speed	1200 dpi : 80 m ² /h 1800 dpi : 55 m ² /h 2400 dpi : 40 m ² /h
Printable width	1880mm maximum
Media	Width : 300~1880 (74 in.) MAX. Thickness: 1mm
Margin	5mm on both sides (10mm of media guide is used)
Roll diameter	Feeder and Take-up rolls: 300mm MAX.
Core diameter	76.2mm (3 in.) or 50.8mm (2in. optional)
Roll weight	120 Kg MAX
Interface	1000BASE-T
Water-base inks	dye / sublimation, graphic pigment. available colors: C, M, Y, K, Orange, Green, Lc, Lm Turquoise
Rip S/W (Optional)	Wasatch / Onyx / Ergo Poster Print / TOPAZ
Voltage	AC 220/240V, 50/60Hz.
Consumption	Maximum consumption: 8.1 kW (at 220V) During operation: 6.5 kW (at 220V) Idle: 4.8 kW (at 220V)
Dryer(Standard setting)	Heating plate: 40~60°C Fans power output: 80%
Dimensions	4292mm (W) x 1449mm (D) x 1207mm (H)
Weight	615 Kg (including ink cartridges).
Environment (recommended)	Room temperature: 20~28°C Room humidity: 40~60% R.H.

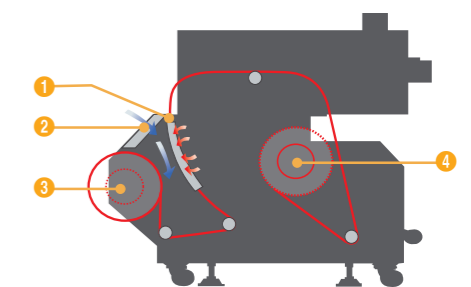
The jumbo-roll feeding system up to 120 kg and 30 cm in diameter allows unattended non-stop printing without re-loading media, printing all night long.

As Large volume printing. The differential tensioning between the feeder and take-up units is continuously adjusted for a perfect winding.

Mini Jumbo-Roll with Auto Flexible Tension Control System. Allows Non-Stop Large Volume Printing.

Auto flexible tension control system is fully integrated with the front dryer to prevent contamination and cockling effects, even when printing on light transfer paper at large volumes.

Papyrus arete system work flow



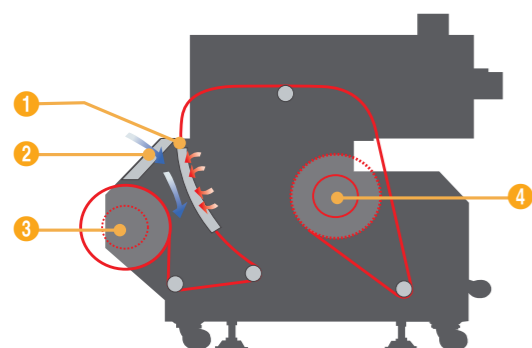
- 1 Powerful font dryer
- 2 FAN
- 3 Take-up flexible tension control system
- 4 Feeder flexible tension control system

04

Functions



Papyrus arete system work flow



- 1 Powerful font dryer
- 2 FAN
- 3 Take-up flexible tension control system
- 4 Feeder flexible tension control system



1 2kg continuous ink supply system

2 kg ink cartridges connected with the 500g sub-tanks for overnight non-stop printing. Inks are refillable during printing.



2 Internal air circulation system

Papyrus is equipped with fans and filters at the backside and roof to remove the ink mist, protect the sensible electronics and secure the printer's stability.



3 dPPA* 7" touch panel

One touch ICONS on screen, controls operate the printer and printing. It also reports to the user; the printed length, operating hours within period, ink consumption and use of genuine inks or not. The dPPA* also reads the working environment to expand the life time of the print heads and quality printing. Operator gets maintenance information even for emergency.

*d.gen Pilot Printing Assistant



4 Original technology

DSP electronics parts are made-in-Korea by d.gen.

Maintenance unit



The side wiper eliminates the dust on the print head. The well-designed capping station is equipped with strong vacuum and automated nozzle cleaners that prevents nozzle blockage, keeping the print head clean all the time for longer lifetime.



Carriage Unit

Carriage unit able to hold 6 print heads and 6 colors.



5 Jumbo rolls feeder for printing 1500m²/day, every day, no loss and low-cost production.

Papyrus recognizes the continuous change of weight and diameter while printing through the flexible tension control system that allows printing over 1500m², every day. Integrated with a powerful dryer, the prints are completely dried before rewinding to prevent loss, greatly.

Papyrus Grande

3300 mm width 6 colors dye-Sublimation printer

Continuous mass-production of good looking prints thanks to the 5kg/color continuous ink supply system, maximum printing width of 3.3m (11 ft.) and to its incredible speed of 100m²/h by 1200 dpi high resolution.

No cockling effect on your prints, thanks to the powerful 3-stage dryer and the pneumatically controlled tension bars in the system.

- 100 m²/h high productivity by a high resolution of 1200 dpi.
- 30cm diameter mini-jumbo roll feeder & take-up units (optional).
- differential shaft for printing at once two 1.4m width paper rolls (optional).



Papyrus Grande SPECIFICATIONS

Print head	2.5pl /native 600dpi piezo type (TFT, MEMS print head)	
Number of nozzles per color	1,280 nozzles x 6 colors	
Speed	Quality mode	1200 dpi : 100 m ² /h
	High quality mode	1800 dpi : 65 m ² /h
	top quality mode	2400 dpi : 50 m ² /h
Printing width	3,300mm max.	
Media	Width: 300~3300mm Thickness: 1mm max.	
Margin	5mm on both sides (48mm if media guide is used).	
Media feeding system	max 3.3meter width 1 paper roll	
Roll diameter	Standard	200mm max. for feeder unit and take-up unit
	Optional	300mm max. for feeder unit and take-up unit
Media roll core's diameter (inner)	76.2mm (3 inches.)	
Roll weight	220 Kg MAX	
Connectivity	100BASE-T	
ink supply system	5kg per color	
Rip S/W (Optional)	Wasatch /Onyx / Print Factory / Ergo Poster Print	
Power supply	1Phase AC 220-240V, 50/60Hz	
Power consumption	Maximum consumption: (1-phase) 220V, 12.1Kw approx. Normal operation: (1-phase) 220V, 9.7Kw approx. Idle mode: (1-phase) 220V, 7.2Kw approx.	
Printer dimensions (WxDxH)	5,460 x 1,050 x 1,600 (mm)	
Environment (recommended)	Temperature: 20~28°C Humidity: 40~60% (no condensation)	

· Specifications may change without notice.



IR Lamp Type Dryer Unit

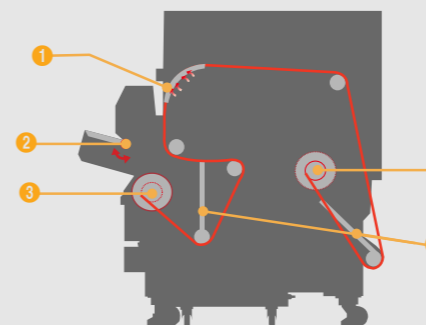
Dryer unit enabling fast and immediate drying process for higher production speed.



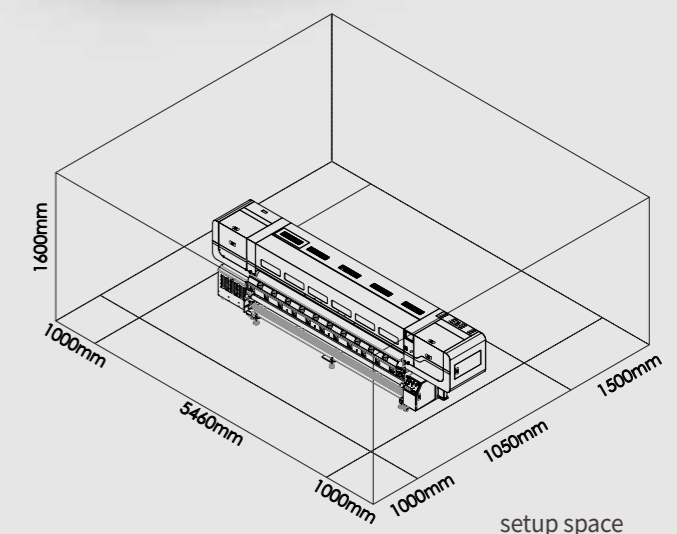
Stable Feeding System

Feeding System equipped with Pneumatic Cylinder which guarantees high-quality printing.

Papyrus Grande system work flow



- 1 Curved heater
- 2 Sub heater
- 3 Take-up flexible tension control system
- 4 Feeder flexible tension control system
- 5 Tension bar pneumatically controlled



PAPYRUS G5



" the game changer comes now with 6 colors "

Just a single Papyrus G5 can produce up to 2,500m²/day

1,000m long roll feeding unit and a 5kg per color ink supply system combined with an overnight production, is possible to reach a 2500m²/day productivity like an industrial printer.

138m²/hour high speed productivity printing and a superb run-ability

- 1280 nozzles/color and 10.8cm printing band width, Papyrus G5 can run at 138m²/h with a native 600dpi high resolution print head.
- Non-stop printing and superb run-ability allows a 24/7, 365 days production.

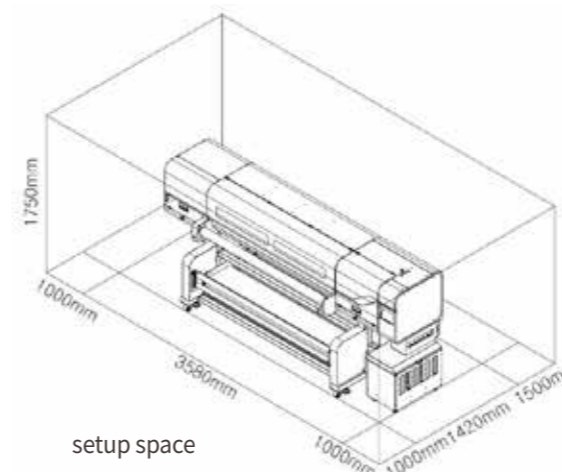
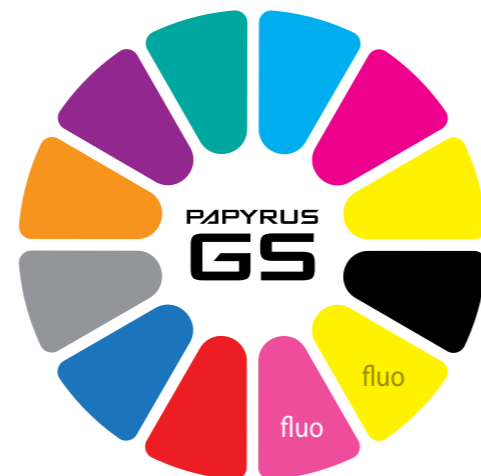
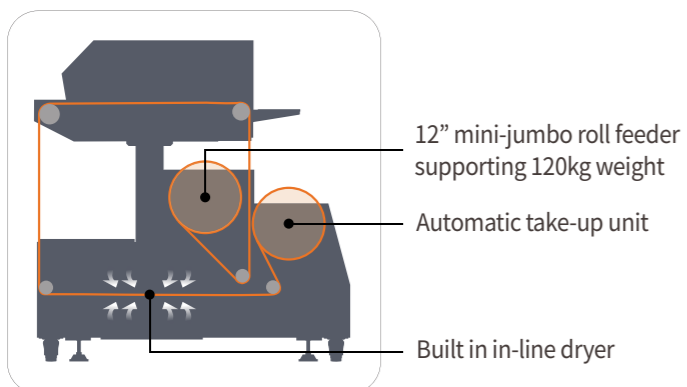
Printer for a low cost production

- Over 40% lower production cost compared to other printers.
- Possible to use of a low weight transfer paper in mini jumbo rolls and a low consumption high density d.gen inks.

6 colors printing for eye-catching vivid colors

- Papyrus G5 meets today's trends in the sportswear, flag and banner industries.
- Prints deeper blacks, rich reds, fluorescent colors, purples, etc.

Papyrus G5 workflow diagram



	Papyrus G5 / H6	Papyrus G5 / H4
Max. printing width	1,880mm	
Print speed	600 dpi	138 m ² /h
	900 dpi	102 m ² /h
	1200 dpi	78 m ² /h
Print head	native 600 dpi, 7 pl/ dot. 8 level grey scale	
No. of colors	6 colors	4 colors
No. of heads	6 heads	4 heads
ink	sublimation ink, graphic pigment, pigment	
Color of ink	C, M, Y, K, fluorescence Yellow, fluorescence Pink, LcLm	

STACKMAN

100 kg(220 lbs.) roll of media transported with a gentle push

- With STACKMAN, transporting 100 kg (220 lbs.) roll of media becomes very easy like carrying a bucket of delicate flowers. It can be used with any media supply system.
- Maximum capacity of 200 kg (440 lbs.) and 40cm in diameter. It can be raised up to 80cm (32 in.) and lowered in steps of 2.5cm (1 in.) each.
- The front plate can be folded in 3 different angles. Allows an easy install and prevents the roll from falling down when transporting it.
- Total liberty of movements. 100 kg (220 lbs.) roll of media can be transported, raised or lowered very easily. Making it compatible with any feeder unit.

Specification	SM4200 Pro
Max. Load Roll Weight Capacity	200kg
Max. Lift Height	85cm
Max. Roll Width	320cm
Max. Roll Diameter	40cm
Dimensions (W x D x H)	90 x 90 x1070(cm)
Media Lifter Weight	77kg
Bottom Fork Clearance	12cm
3 Step Tray adjustment	Enable



Model : SM4200



Subli Cotton

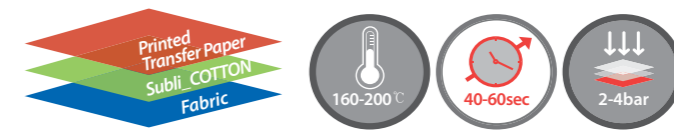
easy way for printing on cotton



“

Subli-COTTON
by dye sublimation for cotton,
rayon and blended fabric, even

”



Paper transfer printing is now possible on any fabrics including Cotton / Rayon / Blended fabric

Type of Subli-Cotton	usage	application	size
SC-1500W (55gsm)	for thicker woven fabric and deep-colored fabrics	designed for Home Decoration, Eco bag, Umbrellas etc.	(w)1.5 m X (L)100 m
SC-1531W (31gsm)	for thin woven fabrics	designed for fashion woven fabrics such as scarf	
SC-1540K (40gsm)	for thin knitted-stretchable fabrics	designed for knitted fabrics such as T-Shirt business	

- No additional machines or device investment
- Compatible with your current sublimation printer, ink, without changing sublimation condition
- Normal sublimation heating condition
- Mass production with Roll to Roll solution
- Great and vivid color even on non-B/W fabric
- High fastness and water repellency for various application such as T-shirt / Bags / Curtain / Sofa & Cushion cover / Blinder / Shoes / Out-door Tent



Stylish, Creative & Green Planet



HQ & Factory 73, 297 beon-gil, Bupyeong-daero, Bupyeong-gu, Incheon, Korea +82-32-510-3510

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