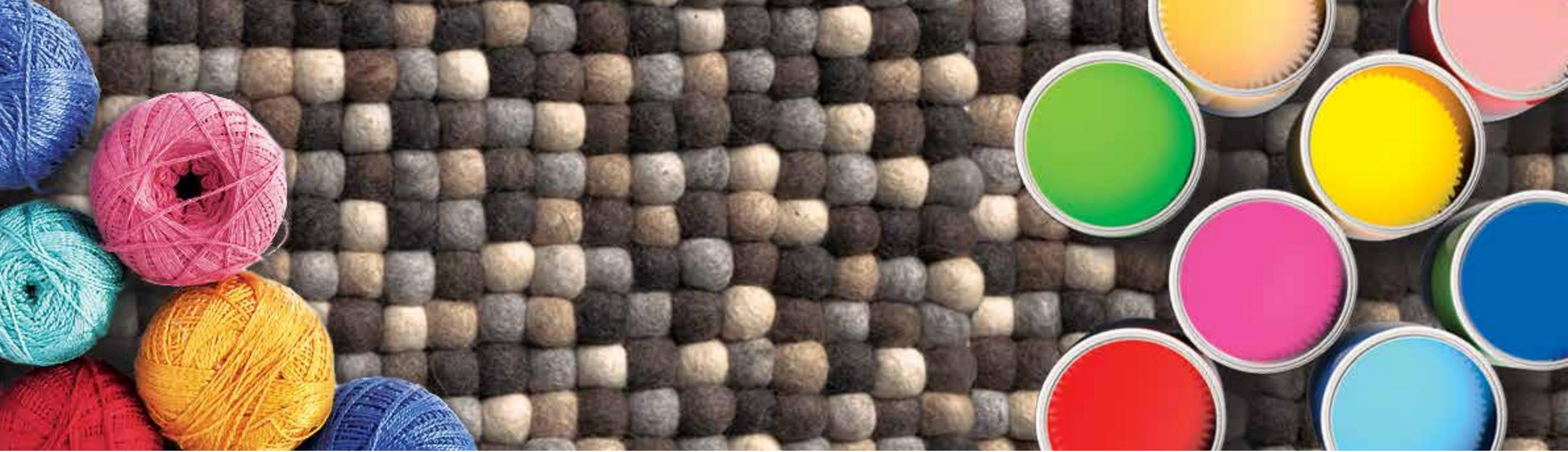


there is
nothing
like
papyrus



*Speed is nothing
without Control*

*Boost your business
with d.gen*

ARETE COMBO

HYBRID! printing on both paper and fabric is possible

Jumbo-roll, high productivity, 6 colors and high resolution printing with Arete Combo

The Arete Combo high speed and high quality helps you to surpass your competitors.

The Arete combo is equipped with best print heads in this class with 1280 nozzles per color, giving a native resolution of 600dpi. Arete Combo 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.

1200 dpi	2 pass	80 m ²
1800 dpi	3 pass	55 m ²
2400 dpi	4 pass	40 m ²

Arete Combo SPECIFICATIONS	
Print head	2.5pl / 600 dpi native resolution
Number of nozzles	1280 nozzles
per color	x 6 color (or 4 color optional)
Media	Width: 300~1880 (74 in.) Thickness: 1mm max.
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.)
Roll weight	120 Kg MAX
Interface	1000BASE-T
Water-base inks	2kg per color / dye-sublimation, Under development graphic pigment. C, M, Y, K, Or, Turquoise C, M, Y, K, Lc, Lm, Or, Blue
Rip S/W (Optional)	Wasatch / Onyx / Print Factory / Ergo Poster Print / Caldera
Dryer type	Heating plate: 40~60°C
Power supply	1Phase AC 220V, 50/60Hz
Power consumption	Maximum consumption: (1-phase) 220V, 13.5Kw approx. Normal operation: (1-phase) 220V, 10.8Kw approx. Idle mode: (1-phase) 220V, 8.1Kw approx.
Dimensions	3985mm (W) x 1030mm (D) x 1522mm (H)
Weight	720 Kg
Environment (recommended)	Room temperature: 20~25°C Room humidity: 45~65% R.H.

• Specifications may change without notice.

The Arete Combo high speed and high quality helps you to Surpass your competitors with 6 color expanded gamut printing



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

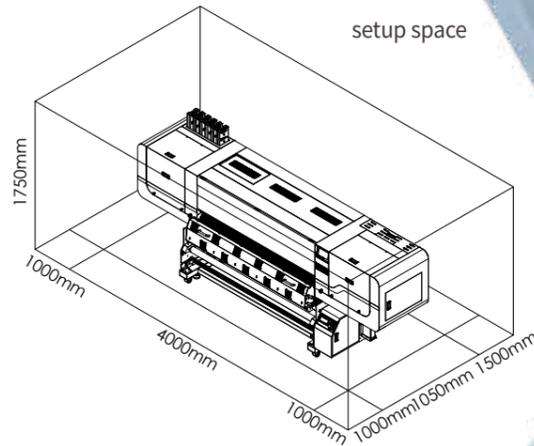
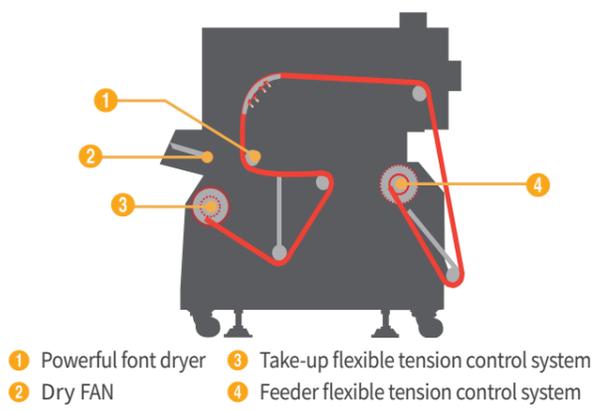
Papyrus recognizes the continuous change of weight and diameter while printing through the flexible tension control system that allows printing over 1500m², every day. Integrated with a powerful dryer, the prints are completely dried before rewinding to prevent loss, greatly.



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.

Arete combo system work flow



Papyrus Grande

3300 mm width 6 colors dye-Sublimation printer

HYBRID! printing on both paper and fabric is possible

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 96m²/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.

- 96 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	1,280 nozzles
per color	x 6 colors
Media	Width: 300~3300mm Thickness: 1mm max.
Margin	5mm on both sides (48mm if media guide is used).
Roll diameter	Standard 200mm max. for feeder unit and take-up unit Optional 300mm max. for feeder unit and take-up unit
Core diameter	76.2mm (3 inches.)
Roll weight	220 Kg MAX
Interface	1000 BASE-T
Water-base inks	5kg per color / dye-sublimation / graphic pigment C, M, Y, K, Lc, Lm, Orange, Turquoise C, M, Y, K, Red, Blue
Rip S/W (Optional)	Wasatch /Onyx / Print Factory / Ergo Poster Print / Caldera
Dryer type	Heating unit IR heater
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)
Weight	2000 Kg
Environment (recommended)	Room temperature: 20~25°C Room humidity: 45~65% R.H.

• Specifications may change without notice.

1200 dpi	2 pass	96 m ²
Speed 1800 dpi	3 pass	64 m ²
2400 dpi	4 pass	49 m ²

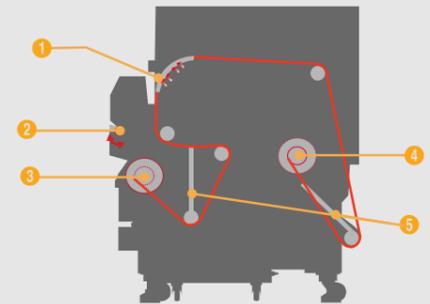


IR Lamp Type Dryer Unit
Dryer unit enabling fast and immediate drying process for higher production speed.

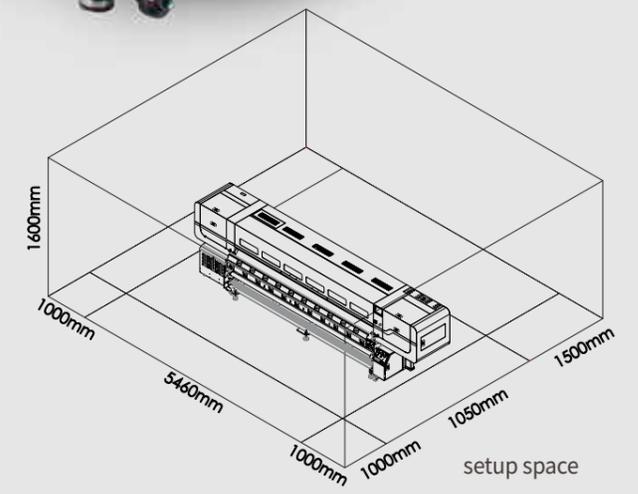


Stable Feeding System
Feeding System equipped with Pneumatic Cylinder which guarantees high-quality printing.

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.

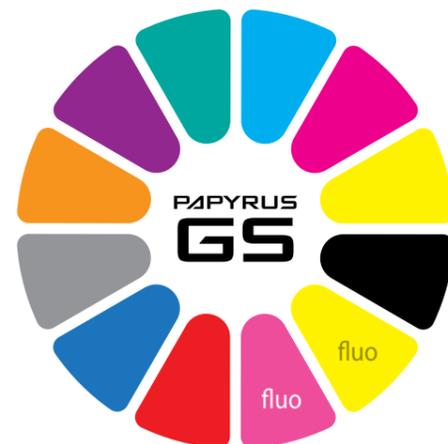
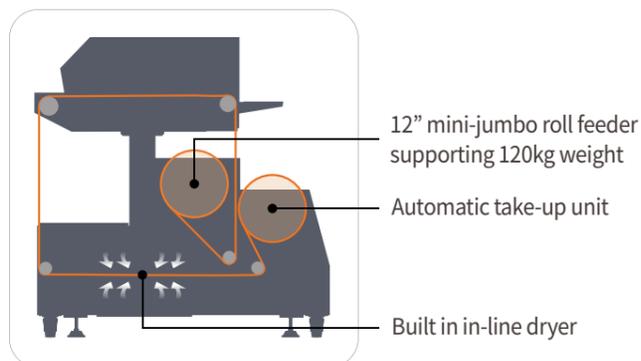
Printer for a low cost production

- 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.

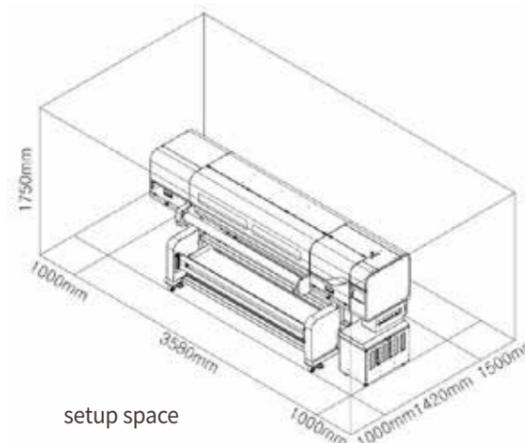
Papyrus G5 workflow diagram



Speed	600 dpi	2 pass	138 m ²
	900 dpi	3 pass	102 m ²
	1200 dpi	4 pass	78 m ²

Papyrus G5 H4/H6 SPECIFICATIONS

Print head	native 600 dpi, 7 pl/ dot. 8 level grey scale
Number of nozzles	1,280 nozzles
per color	x 6 colors (or 4 color optional)
Media	Width: 300~1880mm Thickness: 1mm max.
Margin	5mm on both sides (48mm if media guide is used).
Roll diameter	Feeder and Take-up rolls: 350mm MAX.(13.7 inch)
Core diameter	76.2mm (3 inches.)
Roll weight	120 Kg MAX
Interface	1000 BASE-TX
Water-base inks	5kg per color / dye-sublimation / graphic pigment C, M, Y, K, DK, Lc, Lm, Orange, Turquoise, Fluo P, Fluo Y C, M, Y, K, Red, Blue
Rip S/W (Optional)	Wasatch /Onyx / Print Factory / Ergo Poster Print / Caldera
Dryer type	Heating unit(blower fan) 0~90 °C
Power supply	1Phase AC 220-240V, 50/60Hz
Power consumption	13 kW, 20A (AC 380V 3-Ø+N+PE,±10%, 50/60 Hz)
Printer dimensions	3,280(W) x 1,343(D) x 1,718(H) mm
Weight	900 Kg
Environment (recommended)	Room temperature: 20~25°C Room humidity: 45~65% R.H.



• Specifications may change without notice.

STACKMAN

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

- With STACKMAN, transporting 100kg (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 200kg (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 x 1070(cm)
Media Lifter Weight	77kg
Bottom Fork Clearance	12cm
3 Step Tray adjustment	Enable



Model : SM4200



Subli Cotton

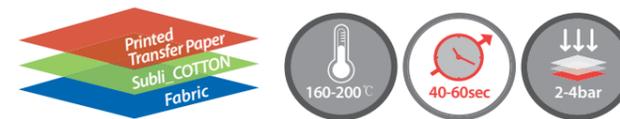
easy way for printing on cotton



“

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

www.dgen.com

*d.gen, Inc. may change the product and/or media specifications or accessories without any prior notice and has no liability for printing results in any case, d.gen, Inc. is not responsible for any incidental and/or inevitable damage from using this product.
