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 and fluorescent colors

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 m^2/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

[4 colors]

[6 colors]

[4 colors]

[4 colors+Orange+Grey]

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.

Printing by one
instead of
multi printers
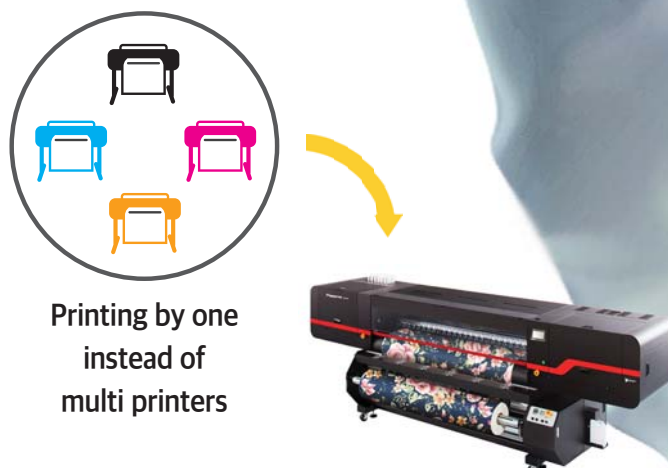
Thanks to Jumbo-roll feeding system you can print over 1500m^2/day, everyday.

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]

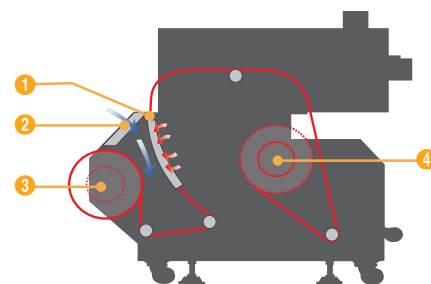[Maintenance]

[Print value setting]

[Function setting]

Papyrus arete

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 m²/h 1800 dpi : 55 m²/h 2400 dpi : 40 m²/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, disperse dye. packed by pouch. available colors: C, M, Y, K, Grey, Orange, Red, Blue, Turquoise, Fluorescent-Yellow, Fluorescent-Pink.
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.

Papyrus arete system work flow

❶ Powerful font dryer
❷ FAN
❸ Take-up flexible tension control system
❹ Feeder flexible tension control system

Papyrus arete

04

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

The media supply system regulates the tension and the take up speed automatically based on the production quantity. This system can hold a mini jumbo-roll of 100 kg, even more.

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.

Stackman 4200 pro.

100 kg roll transported with a gentle touch. Heavy duty and durable.

Compatible with any feeder and take-up unit.

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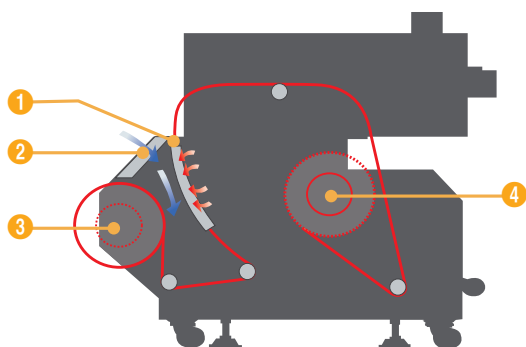
Papyrus arete

05

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

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

❶ 2.5kg continuous ink supply system

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

❷ 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.

❸ 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

❹ 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.

❺ 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.
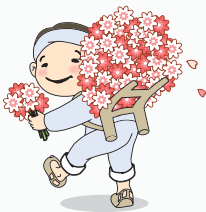
Come, See,

3.3m width

STACKMAN model : SM4200 pro

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.). 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.

Model : SM4200 pro

Specification	SM4200 Pro
Max. Load Roll Weight Capacity	200kg
Max. Lift Height	85cm
Max. Roll Width	320cm
Max. Roll Diameter	40cm

Specification	SM4200 Pro
Dimensions (W x D x H)	90 x 90 x1070(cm)
Media Lifter Weight	77kg
Bottom Fork Clearance	12cm
3 Step Tray adjustment	Enable

3300 mm width
6 colors dye-Sublimation printer

Papyrus Grande **Grande format**
dye sublimation

Take me!

dye-sublimation printer
papyrus Grande available!

NOW

Subli Cotton

easy way for printing on cotton

Printed Transfer Paper
Subli_COTTON
Fabric

160-200℃   40-60sec   2-4bar
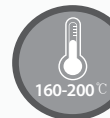
Subli–COTTON

*by dye sublimation for cotton,
rayon and blended fabric, even*

Type of Subli-Cotton	Product	Size	Contents
SC-1500w is 55 gsm woven fabric	A4 set	A4	20 sheet of Subli-cotton and 30 sheets of transfer paper
SC-1531w is 30 gsm woven fabric	A3 set	A3	
SC-1540k is 40 gsm knitted fabric	Roll 100 m	(w)1.5 m X (L)100 m	-

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

Printing on cotton become easy.
Customers just use inkjet printer and heat transfer printing on polyesters.
Mass production is also possible by roll_to_roll.

• No coating and steaming using a digital printer and dye sublimation Ink on cotton, rayon and blended fabrics!

• Vivid colors and excellent fastness.

• Low energy consumptions with waterless printing by dye sublimation Ink.

• Possible textile your production the urban area.
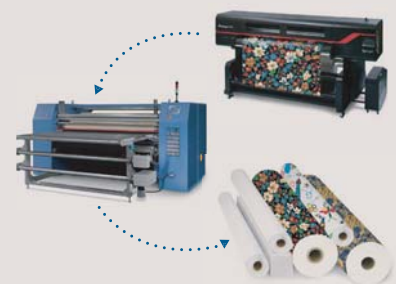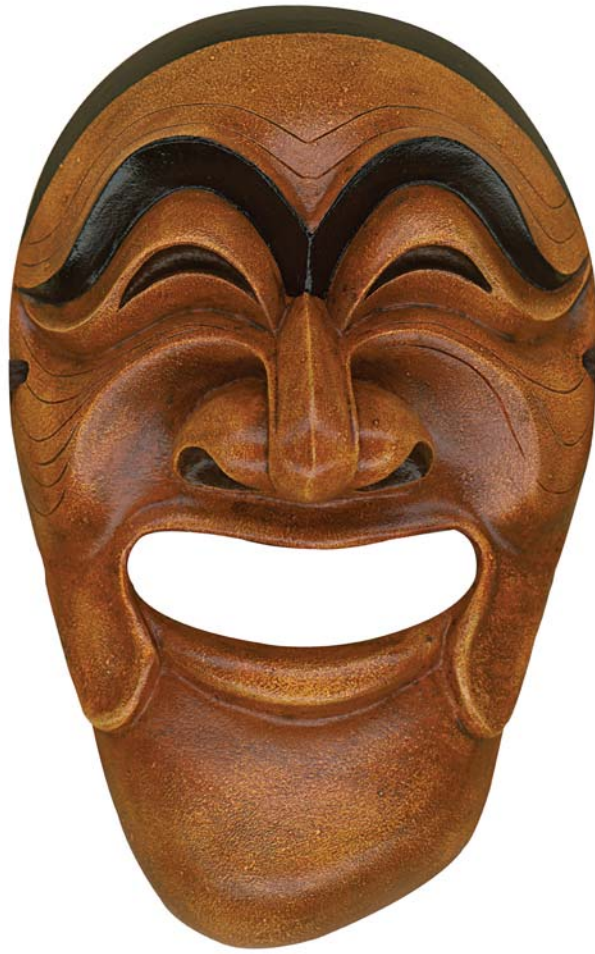
Stylish, Creative & Green Planet

d·gen