Racing on Fabric

d·gen

d·gen, Inc.

No coating and steaming using pigment inks with d.gen's new way of digital textile printing.

One of the first companies who finally made it!

Possible to relocate your production site into the urban area.
The greatest colors and fastness with d.gen's all-in-one
coating and post processing units.

d.gen is proud to be one of the first companies in the world to
commercialize in the textile printing business, featuring waterless and
low energy consumption.

Thanks to d.gen,
digital textile printing becomes easier than ever.

Index

ARACHNE HEXA

d·gen

Speed
138m²/hour

6 colors
8 different colors in many ink types

Economic production cost
Over a 40% of cost reduction

PAPYRUS GS

" 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.

d·gen

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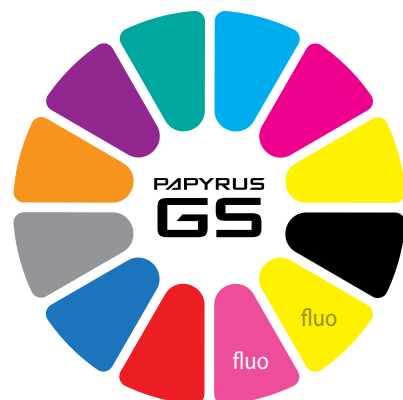
138m²/hour high speed productivity printing and a superb run-ability

· 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

12" mini-jumbo roll feeder supporting 120kg weight

Automatic take-up unit

Built in in-line dryer
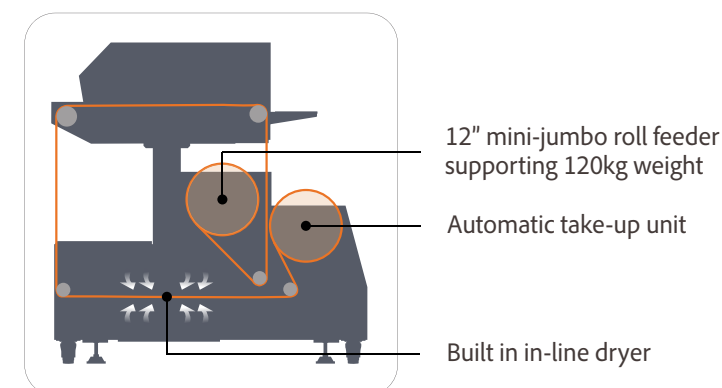
		Papyrus G5 / H6	Papyrus G5 / H4
Max. printing width		1,880mm	
Print speed	600 dpi	138 m²/h	
	900 dpi	102 m²/h	
	1200 dpi	78 m²/h	
Print head		native 600 dpi, 7 pl/ dot. 8 level grey scale	
No. of colors		6 colors	4 colors
No. of heads		6 heads	4 heads
ink		sublimation ink, graphic pigment, pigment	
Color of ink		C, M, Y, K, fluorescence Yellow, fluorescence Pink, LcLm	

ARTRIX

Professional digital printer with the most economic way!

- Professional digital textile printer equipped with a sticky belt and a belt washing system.
- Can print on all kinds of knitted and woven fabrics.

Max. printing width : 1,850mm
Print head : native 600 dpi, 7pl/ dot. 8level grey scale
No. of colors : 8 colors
No. of nozzle / colors : 1,280 nozzle
Fabric feeding system : Sticky belt type
Recommended Fabric : Knit, Span, Woven
Textile inks : Textile pigment ink , Reactive dye ink, Disperse dye ink, Acid dye ink

Printing Speed	
900 dpi	92 m²/h
1200 dpi	72 m²/h
1800 dpi	50 m²/h
2400 dpi	38 m²/h

ARACHNE HEXA

The world's most economic printer that prints directly on fabrics

- d.gen's patented roll to roll feeding system for direct printing makes possible direct printing on all kinds of woven fabrics and low elastic fabrics.
- Can print on cotton, rayon, poly and blended fabrics using genuine d.gen inks.

Max. printing width : 1,880mm
Print head : native 600 dpi, 7pl/ dot. 8level grey scale
No. of colors : 6 colors
No. of nozzle / colors : 640 nozzle
Fabric feeding system : roll to roll type
Recommended Fabric : Woven
Textile inks : Textile pigment ink , Reactive dye ink, Disperse dye ink, Acid dye ink

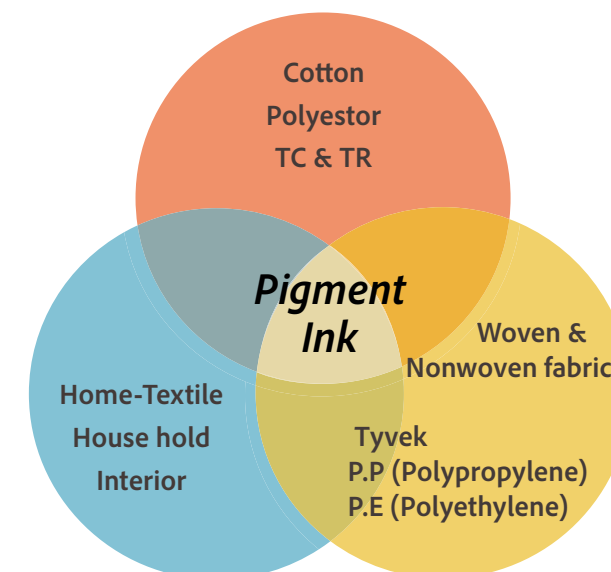| Printing Speed	
900 dpi	52 m²/h
1200 dpi	40 m²/h

Pigment ink for all,

all for pigment ink

Printing on fabric without coating and steaming!
It becomes possible with textile pigment inks.

- No coating and steaming using a digital printer and pigment inks on cotton, rayon and even blended fabrics!
- Since 2010, d.gen has been supplying outstanding digital textile pigment inks.
- Vivid colors and excellent fastness without getting your print head's nozzles clogged!
- Low energy consumption with waterless printing and digital textile pigment inks.
- Possible to relocate your production site to the urban area.

- Home Textile
- Beddings / Curtain / Blinds
- Wall paper / Wall Coverings
- Shades & Earning
- Tents, Yacht Mast

Cotton
Polyestor
TC & TR

Pigment Ink

Woven & Nonwoven fabric

Home-Textile House hold Interior

Tyvek
P.P (Polypropylene)
P.E (Polyethylene)

- Cotton / polyester / Blended fabric (T/C, T/R)
- Viscose Rayon / Nylon
- Velvet / Micro fiber
- Knit / Spandex / chiffons

TELEIOS series

TELEIOS GRANDE/H6

More colors, more valuable machine

142m²/hour using 6 colors at a better price and performance than ever before!
It's design is simply beautiful. Colors now become more vivid using a 6 color system.

Teleios Grande for soft-signage
- Is the world's most installed 3.3m width digital textile printer.
- Creates richer blacks than coal and richer reds even than blood!
- Many competitors are trying to imitate d.gen, but none of them can beat us.

Teleios Grande for home textile
- Widely used in the home textile market.
- The best in many businesses such as bedding, curtain, blinds, sofa cover, etc.

Specifications

Maximum Printing width : 3,200 mm
Printing Head : native 600 dpi, 7 pl/ dot. 8 level grey scale
Maximum Resolution : 2400 dpi
No. of colors : 6 colors
No. of heads : 6 heads
No. of nozzle / colors : 1280 nozzles/color
Ink types : Disperse dye ink, Textile Pigment ink
External shape : 5,021 (W) X 1,447 (D) X 1,516 (H) mm
Power
Printer : 220V, 19A (4.2kw) + with Dryer
Fixation : AC 380V, 3phase + N + PE, ±10%, 23A, 50/60Hz(15kw)
Fume buster : AC 220 V, 3.4 A, 50/60 Hz

Speed : 142 m²/h by 600dpi width 3300 mm

Target Printing Speed		
	600 dpi	142 m²/h
	900 dpi	97 m²/h
	1200 dpi	74 m²/h
	1800 dpi	50 m²/h

setup space
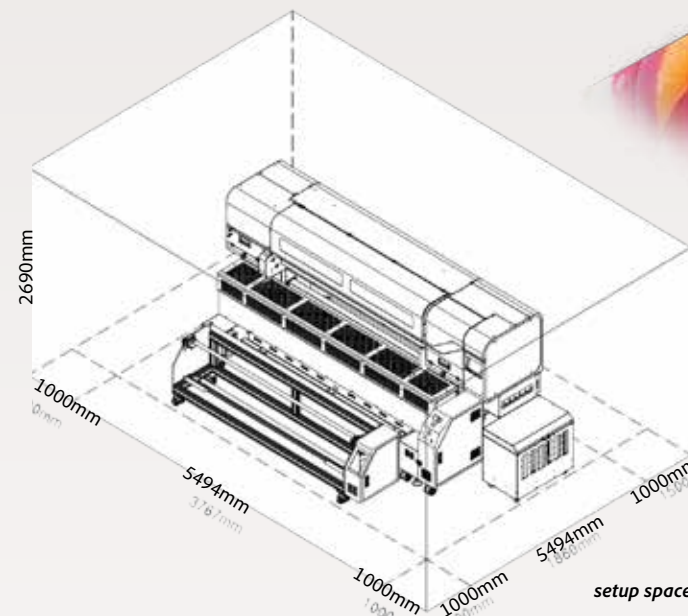
Patented textile feeding system
Easy and a great run-ability printing on most woven fabrics used for back-lit, flag, banners, bedding and curtains.

5kg/color continuous ink supply system
Designed to be refilled with inks while printing. Level of ink is easy to check visually or by sensor. Provided with a double filtering system to protect against harmful substances.

Using disperse dye and textile pigment inks
Teleios covers an ultimate range of applications

Soft-stignage for indoor and outdoor

Very easy to print on textile just like printing on normal paper

Soft-signage on Textile

TELEIOS GRANDE G5

Specifications

Maximum Printing width : 3,300 mm
Printing Head : native 600 dpi, 7 pl/ dot. 8 level grey scale
Maximum Resolution : 2400 dpi
No. of colors : 4 colors / 8 colors
No. of heads : 8 heads
Ink types : Disperse dye ink, Textile Pigment ink
External shape : 5,900 (W) X 1,130 (D) X 1,750 (H) mm

Printing Speed		
	600 dpi	-	154 m²/h
	900 dpi	-	119 m²/h
	1200 dpi	154 m²/h	90 m²/h
	1800 dpi	119 m²/h	61 m²/h
	2400 dpi	90 m²/h	46 m²/h

TELEIOS HEXA

More colors, more speed for
"The original direct print and fixation"

Patent textile feeding system
This state-of-the-art device provides an easy and excellent run-ability for printing on fabrics.

Heat-Fixation unit
Allows an uniform printing and fixing with no color differences between the front and the back side.

· Able to expand the color gamut and reproduce eye-catching colors like rich reds, deeper blacks, royal purples, fluorescent yellows and pinks.

· Excellent penetration for great looking prints at both front and rear sides.
· Superb color-fastness and water-resistance for outdoor printings.

The world's most installed printer in the soft-signage market

· State-of-the-art patented textile feeding system provides an easy and excellent run-ability.
· Excellent printing on woven fabrics and low elastic fabrics used for back-lit, flag, banners, bedding and curtains.

Soft-signage on Textile

· Eye-catching rich reds, deeper blacks and royal purple colors with our
   Teleios: the world's most installed digital textile printer in the soft-signage market.

Superb fastness and water-resistance

· Excellent penetration and a superb colorfastness.
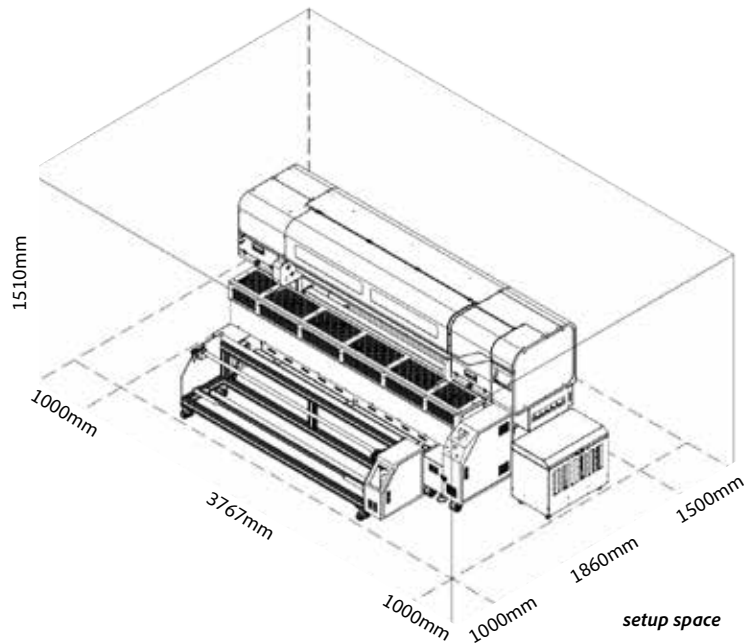· Water-resistant flags will look great on both sides.

Subli *Cotton*
easy way for printing on cotton

No need steaming, **No need** washing
by dye sublimation *subli_COTTON*

Printed Transfer Paper
subli_COTTON
Fabric

40-60sec   160-200℃   2-4bar

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 even blended fabrics*!*
· Vivid colors and excellent fastness without getting your print head's nozzles clogged!
· Low energy consumption with waterless printing by dye sublimation ink.
· Possible to relocate your production site to the urban area.

what cotton is
looking for

Our pride is customer's satisfaction

Stylish, Creative & Green Planet