

display
expedition



home textile

soft
signature

home
interior

high
fashion

Racing

on

Fabric





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.*

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PAPYRUS G5

"the game changer comes now with 6 colors"

Just a single Papyrus G5 can produce up to 2500m²/day

1000m long roll feeding unit and a 5kg per color ink supply system combined with an overnight un-attended 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.



Speed

138m²/hour



6 colors

12 different colors in many ink types



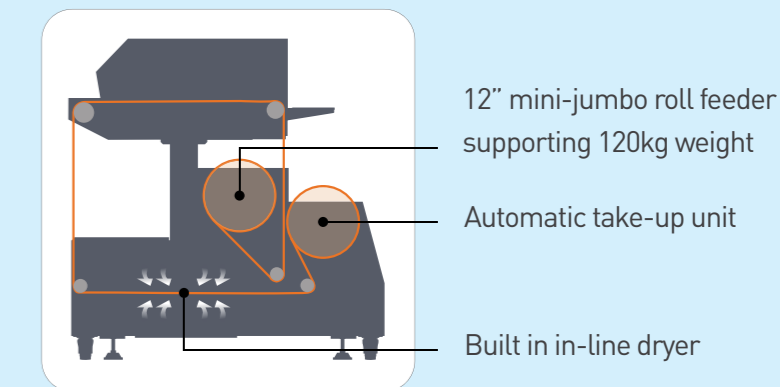
Economic production cost

Over a 40% of cost reduction



Made in Korea by first class material from Korea

Papyrus G5 workflow diagram

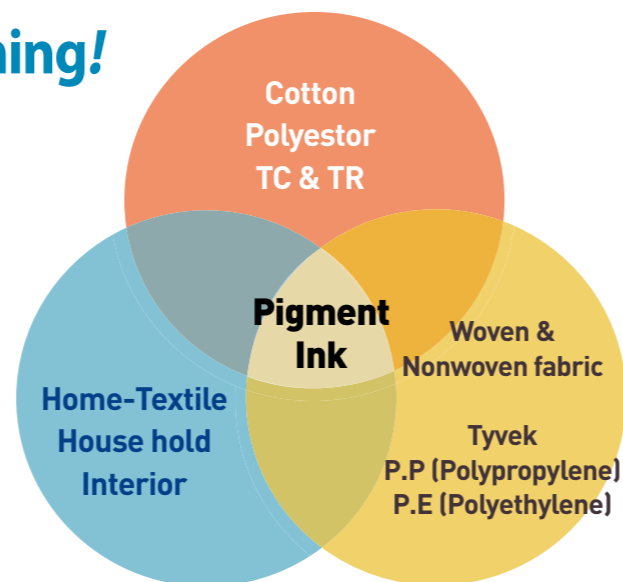


| | Papyrus G5 / H6 | Papyrus G5 / H4 |
|---------------------|--|-----------------------|
| Max. printing width | 1,880mm | |
| Print speed | 600 dpi | 138 m ² /h |
| | 900 dpi | 102 m ² /h |
| | 1200 dpi | 78 m ² /h |
| Print head | native 600 dpi, 7 pl/ dot. 8 level grey scale | |
| No. of colors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

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

ARTRIX

Industrial printer that prints over 100m²/hour

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

| | Artrix H6 | Arachne Hexa |
|------------------------|---|----------------------|
| Max. printing width | 1,880mm | |
| Print speed | 900 dpi | 52 m ² /h |
| | 1200 dpi | 40 m ² /h |
| | 1800 dpi | 28 m ² /h |
| | 2400 dpi | - |
| Print head | native 600 dpi, 7 pl/ dot. 8 level grey scale | |
| No. of colors | 6 colors | 6 colors |
| No. of nozzle / colors | 1,920 nozzle | 640 nozzle |
| Fabric feeding system | Sticky belt type | roll to roll type |
| Recommended Fabric | Kt, Span, Φ Woven | Woven |
| Textile inks | Textile pigment ink, Reactive dye ink, Disperse dye ink, Acid dye ink | |



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.



CaP series

CaP is the all-in-one unit that coats, dries and cures printings made with pigment inks. Allows a CaP of colors and a CaP of fastness.

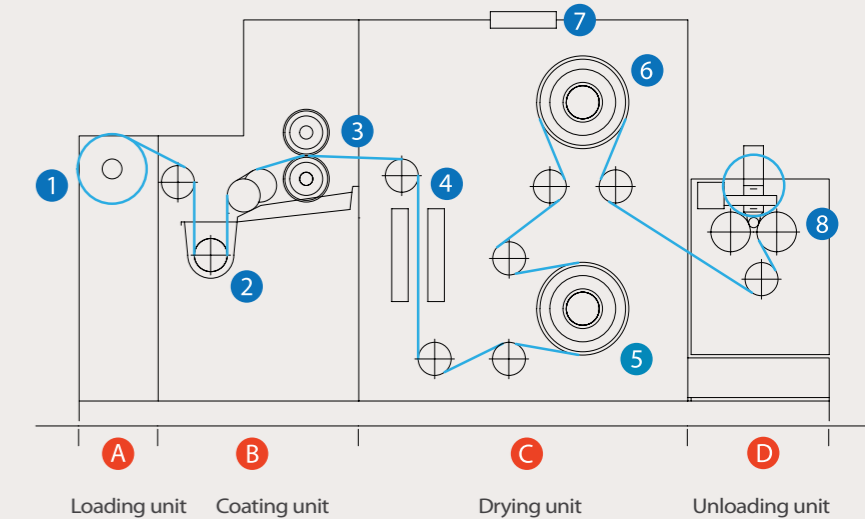


Model
 - CaP 2000 : for 2,000mm width
 - CaP 3500 : for 3,500mm width

Patent pending !

CaP is the all-in-one unit for coating, drying and curing printings made with pigment inks. It's a smoke and polluted water zero emissions machine that runs using the electric power. Coating and color activation process possible without using a single drop of water.

- Your production site can be located in the urban area
- Just a 5m x 7m indoor space is needed for installation
- All the processes are automatically performed in a absolute eco-friendly way.
- Can reach a speed up to 180 linear meters per hour.
- Compatible with pigment, reactive, acid and dispersed dye inks



Specification of CaP

- 1 Fabric unwinder
 - 2 Soaking station with coating liquid basin
 - 3 Squeeze rolls and dipping roller
 - 4 Infraed drying station
 - 5 Drying roll
 - 6 Drying / ironing roll
 - 7 Vacuum system
 - 8 Fabrix rewinder
- **Main function** : Coating / drying / fixation
 - **Fishing temperatures (min/max)** : 90~190°C
 - **Working widths** : Model CaP 2000 : 2000mm
Model CaP 3500 : 3500mm
 - **Max rolls diameters** : 260mm
 - **Max. speed (liner)** : 180 linear meters per hour
 - **Basin capacity for coating liquid** :
Model CaP 2000 : 40 liters
Model CaP 3500 : 135 liters
 - **Electric power** : AC 380V, 3phase
 - **Operational Environment** :
Temperature : 20~25°C / Humidity : 60~80%
 - **External shape** :
Model CaP 2000 : 5000(W) x 5000(D) x 2500 (H)
Model CaP 3500 : 7000(W) x 5000(D) x 2500 (H)

TELEIOS HEXA *now in 6 colors*

“The original direct fabric print and fixer” since 2003

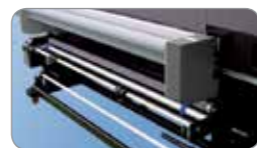
- Able to expand the color gamut and reproduce eye-catching colors like rich reds, deeper blacks, royal purples, fluorescent yellows and pinks.
- Excellent penetration for great looking prints at both front and rear sides.
- Superb color-fastness and water-resistance for outdoor printings.

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.



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.



TELEIOS GRANDE/H6

More colors, more valuable machine

177m²/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.



| | <i>Teleios Grande/H6</i> | <i>Teleios Hexa</i> |
|----------------------------|---|-------------------------|
| Max. printing width | 3,200mm | 1,880mm |
| Print head | native 600 dpi, 7 pl/ dot. 8 level grey scale | |
| No. of colors | 6 colors | 6 colors |
| No. of head | 6 heads | 3 heads |
| Print speed | 600 dpi | 142 m ² /h |
| | 900 dpi | 97 m ² /h |
| | 1200 dpi | 74 m ² /h |
| | 1800 dpi | 50 m ² /h |
| | 2400 dpi | 38 m ² /h |
| inks | Disperse dye, Pigment ink | Disperse dye ink |
| External shape | 5,900 (W) X 1,130 (D) X 1,750 (H) mm | 3300(W)x1500(D)x950 (H) |



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.



HQ & Factory 73, 297 beon-gil, Bupyeong-daero, Bupyeong-gu, Incheon, Korea
SEOUL, KOREA_ +82-32-510-3503 **MILAN, ITALY_** +39-348-859-4480
www.dgen.com

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