

TELEIOS HEXA

Versatile Sign and Graphics Industrial Printer





Introduction to DGI

Since 1985, DGI has been a prominent presence in the global digital printing industry, steadily growing over the year. To generate higher and more sustainable customer value, we will persistently stay the course, unwavering in our pursuit of excellence in engineering, development, and sales.



~1997

Cutting Plotter
Pen Plotter
Drafting Machine
Parallel Ruler

~2000

Sign & Grphics
Printer

~2010

Dye Sublimation
Printer

~2015

Direct Textile
Printer

~2019

Food Printer

~2022

Package Printer

~2023

Acquire



Versatile Soft Signage Printer **TELEIOS HEXA**

Over 100 Countries

DGI has been expanding its presence to approximately 80 countries. As of last year, the service was being operated in various countries, including Italy, the UK, Saudi Arabia, and the US. Now, more than 3,600 companies are estimated to have been using it.

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Versatile Soft Signage Printer **TELEIOS HEXA**

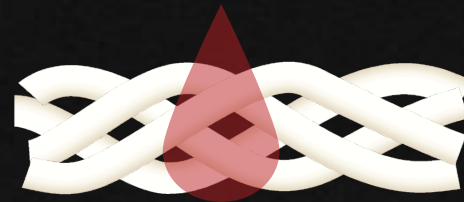
SPC

Stylish Penetration Control

SPC is DGI's proprietary technology that utilizes a specially formulated "Stylish Penetration Control" liquid to enhance ink penetration, resulting in superior color uniformity and perfect printing on flags.

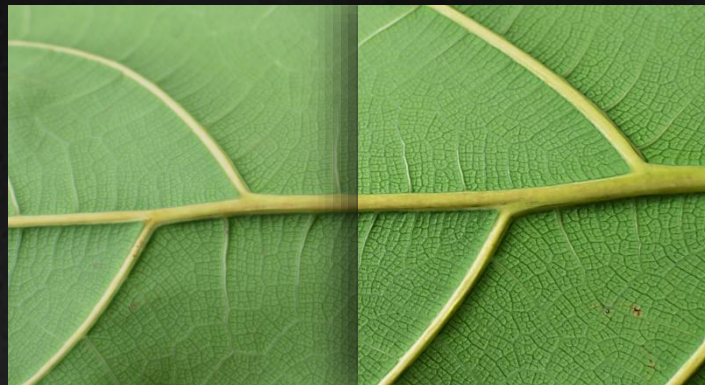


PENETRATION WITHOUT SPC



PENETRATION **WITH SPC**

Be Clear



Colorability



WITHOUT SPC

WITH SPC

Maximum Productivity & Efficiency



Up to

77 m² /h

Speed

Up to

720 X 1,200 dpi

Resolution

Versatile Soft Signage Printer **TELEIOS HEXA**

DGI's printers offer unmatched reliability and cutting-edge technology.



Max
Production
Speed

77 m² /h



SPC

Stylish
Penetration
Control



Max
Printing
Resolution

720x
1200dpi



MAX
Printing
Width

1830mm



Bidirectional
printing

Increased Printing Speed
Higher Productivity
Improved Efficiency and
Potential Cost Savings



Stable Fabric
Feeding System

The patented textile
feeding system allows
for stable printing on a
variety of woven fabrics
and low-stretch materials.



Bulk ink
system

Ink refills even
during printing

Versatile Soft Signage Printer **TELEIOS HEXA**

Highlight



SPC

SPC is designed to enable homogeneous color penetration into fabrics in direct-to-textile printing by utilizing several complementary elements



High quality printing with awesome eye-catching 6 colors

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.



Multi-Purpose Functionality

The printer supports various media, making it suitable for a wide range of applications, including both indoor and outdoor advertising on textiles.

Versatile Soft Signage Printer **TELEIOS HEXA**

Why the Teleios HEXA is essential for your business.

Teleios Hexa are primarily its **superior print quality, high productivity, and stability across various materials**. It is an attractive option for businesses looking to gain a competitive edge in the soft signage and textile printing market.

“Unmatched Print Quality”

Rich Color Reproduction

With a 6-color configuration (CMYK, Lc, Lm), the printer achieves a wider color gamut than standard 4-color printers. This allows for the creation of eye-catching advertisements with deep blacks, vibrant reds, and stunning purples.

Excellent Double-Sided Printing

The unique "Stylish Penetration Control (SPC)" technology ensures that ink penetrates the fabric deeply and evenly. This results in clear, high-quality prints on both the front and back sides, which is a crucial advantage for products like flags.

High Durability

The excellent color-fastness and waterproof features mean that prints on outdoor banners and flags will remain vibrant and durable for a long time.

“Maximum Productivity and Efficiency”

Fast Speeds of up to 185 sqm/h

Equipped with a Ricoh GEN5 print head, the Teleios Hexa offers high-speed printing, which is a significant advantage for large-volume production.

Stable High-Volume Printing

The optional 5kg bulk ink system allows for continuous refilling during printing, enabling stable and uninterrupted production runs. This is a key factor in shortening production time.

Streamlined Process

Some models feature an in-line fixation function that sets the ink with heat immediately after printing. This eliminates the need for a separate dryer or heat press, reducing process steps and improving overall efficiency.

“Versatility and Stability”

Wide Range of Material Support

The printer can produce high-quality prints on various fabrics, including polyester, cotton, and nylon. This versatility opens up new business opportunities beyond traditional advertising, such as apparel, curtains, and bedding.

Stable Fabric Feeding System

The patented feeding system ensures stable transport of woven and low-elasticity fabrics, allowing for consistent and reliable printing regardless of the material.

In-line fixation



Simplified Production Process and Increased Efficiency

One-Stop Process

Eliminates the need to remove the printed fabric and transfer it to a separate heat press, thereby **reducing the number of operational steps**.

Maximized Production Speed

Since the heat fixation occurs immediately after printing, the **overall production time is shortened**, leading to faster turnaround times. This is particularly crucial in **high-volume production** environments.



Consistent Quality Maintenance

Tension Control

-Fabric tension is precisely controlled within the single, integrated system of the printer and fixation unit.

-Minimizes the risk of fabric **stretching, wrinkling, or distortion** during conveyance, ensuring stable print registration and fixation quality.

Immediate Dye Fixation

Dyes are fixed immediately after printing, **reducing the risk of quality degradation** such as color migration or smearing.



Space and Manpower Efficiency

Space Saving

Eliminates the requirement for a separate large heat press, allowing for **efficient utilization of the workspace**.

Manpower Reduction

An operator is not needed to transfer the fabric, enabling **automated Roll-to-Roll system** operation and reducing labor costs.

Main key features



RICOH GEN 5

The Ricoh Gen5 is the most suitable head for signage and graphics, as it reduces ink usage and improves productivity with its high-performance.



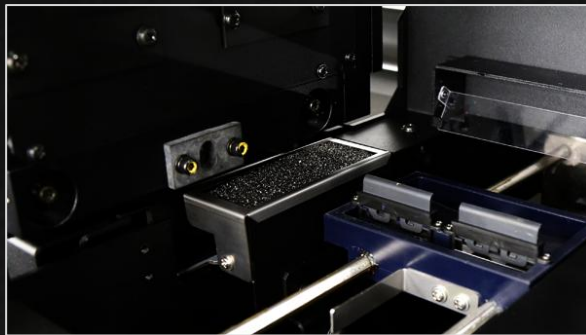
PATENTED TEXTILE FEEDING SYSTEM

The feeding system enables easy and seamless printing on most commonly used woven fabrics for backlit signage, banners, bedding, and curtains.



ONE-TOUCH CAPPING STATION

The capping station easily maintains appropriate humidity levels for the nozzle, preventing printheads from drying out when the machine is not printing.



SINGLE WIPING SYSTEM

The single wiping system for optimal head condition reduces head cleaning time significantly by cleaning two heads simultaneously.



DUST REMOVAL IN MAIN BODY

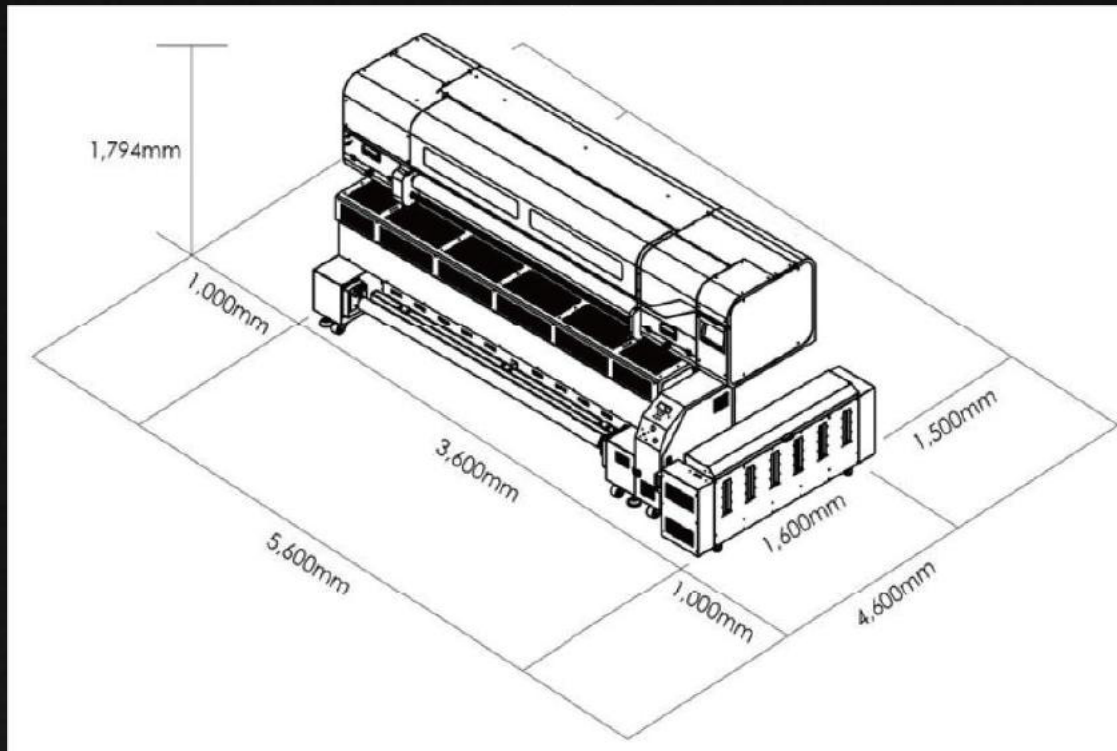
The suction fan is equipped for the entire printer to optimize maintenance of the recommended head temperature and minimize the occurrence of ink mist.



HIGH-CAPACITY INK TANKS

The high-capacity ink tanks system, which is very simple and accessible, is designed for ink refilling, even during printing, to enable mass printing.

The required space for the installation of the Teleios HEXA.



Printer	3280 × 1015 × 1500mm (700kg)
Fixation 74"	3020 × 635 × 830mm (500kg)
Fume buster	620 × 640 × 1650mm (180kg)

Specification

Printing	Ink	Printing Speed
Print Head Ricoh, 3 Heads	Disperse Yellow, Magenta, Cyan, Black + Lc, Lm, Or, Tur, Bl	720 X 600dpi 2pass 77m²/h
Ink Type Disperse / Pigment	Pigment Yellow, Magenta, Cyan, Black + Or, Bl, Lc, Lm, Sc, Gr	720 X 900dpi 3pass 52m²/h
Number of Colour 6 or 5+SPC	Ink Capacity 5L	720 X 1,200dpi 4pass 41m²/h
Max Printing Resolution 720 X 1,200dpi		
Max Printing Width 1,830mm		
Printing Mode Bi-Direction/Uni-Direction		

Specification

Media	Operational Environment	Others
Media Drive Roll to Roll	Temperature Operating: 20°C~25°C	Rip Software Onyx, Wasatch
Max Media Width 1,880mm	Humidity Operating: 45~65%	
Max Media Load Diameter : 300mm, Weight : 40kg	* Environmental influences can affect print quality.	
Core Diameter Feeder 300mm, 2~3inch		

Specification

Dimensions	Weight	Electricity
Printing Machine 3,820(W) x 1,015(D) x 1,500(H) mm	Printing Machine 700kg	Printing Machine 1.760kW, 1Φ AC 220~240V, 8A
Fixation 3,020(W) x 635(D) x 830(H) mm	Fixation 500kg	Fixation 9.65kW, 3Φ AC 380~415V, 14.67A
Fume buster 620(W) x 650(D) x 1,635(H) mm	Fume buster 180kg	Fumebuster 4.5kW, 3Φ AC 380~415V, 6.83A

Teleios HEXA sales performance



Continent	Company	Units sold
Africa	CI GROUP LTD(G)	1
Asia	AARQUE GRAPHICS(G)	1
	Syarikat Shalim (B) Sdn. Bhd.	1
Europe	COMUNICACION SPANDEX(G)	1
	DIGIPRINT SP. Z O.O.(G)	1
	ENDUTEX IBERICA SAU(G)	1
	FORMATO MAGENTO, LDA (Portus)	1
	FORTUNA DIGITAL(SERBIA)(G)	1
	FORTUNA KOMERS D.O.O.(G)	2
	FRIXOS KOKKONIS FLAGS SA	1
	IPRINT SRL (G)	1
	I-SUB LIMITED - U.K.(G)	2
	Large Format Printing Consulting, S.L	1
	Leykom	1
	LLC PRINT CONSULTING KG (G)	2
	Marabu Scandinavia AB	1
	MIRAGE GROUP LTD(G)	1
	Mons Medius Investments S.A.	2
	MULTIGRAPHIC(G)	3

Continent	Company	Units sold
Europe	MULTIGRAPHICS(T)	2
	MULTILOT EUROPE GMBH(G)	2
	PORTUS S.A.(G)	1
	RESOLFIN SRL(G)	1
	Rigas Sesoma SIA	2
	SESOMA OY(G)	2
	SPANDEX, S.R.O.(G)	2
	SPOT ULUSLARARAS(G)	2
	STAMPA DIGITAL S.L(G)	3
	TOTEM GROUP LTD(G)	10
Middle East	UAB SESOMA(G)	3
	COLORTEK KASORLA LTD(G)	5
	GIFFIN GRAPHICS(G)	1
North America	PRIOTEX LTD.	1
	MEDIA ONE(G)	7
	Techno Gestass	1
TOTAL		52

■ Realisaprint (France)

Enhanced productivity for polyester-based fabrics
Consistent double-sided color reproduction
Improved price competitiveness in the flag and banner segment to reduce prices by up to 50% while maintaining premium print quality
Reduced dependency on 3rd party finishing due to inline fixation

[Teleios Hexa : la nouvelle acquisition de Realisaprint.com pour les oriflammes](#)

■ Novaprint Group

Brilliant color output(Rich black, Vibrant red, Royal purple and fluorescent hues
Excellent penetration on polyester for true double-sided imaging
Continuous ink supply system enabling long, unattended production runs
Durable prints with high resistance to water and UV exposure

[Dgen TELEIOS HEXA | Novaprint](#)

■ Totem Group

Reliable continuous operation in industrial environments
Inline fixation eliminates the need for separate heat calendaring
Modular design supports easy maintenance and long-term durability
Noted for “Unmatched color saturation and productivity” in its segment

[D.Gen Teleios Hexa - Totem Group | Textile Printing Concepts](#)

■ Fortuna Digital

High print stability during long production cycles
Perfect for banners, curtains and soft signage fabrics
Reliable ink feeding and maintenance

[d.gen TELEIOS HEXA 0,0000000000 - fortunadigital](#)

ROI Simulation

Model	Price (Estimated)	Print Speed(m2/h)	Inline Fixation	Ink Cost(\$/m2) (Estimated)	Annual ROI	Playback Period
Teleios Hexa	\$55,000	50~77	YES	\$1.8	≈ 450%	< 3 months
SureColor SC-F9400 (Epson)	\$28,000	45	NO	\$2.4	≈ 250%	~ 6 months
TS330-1600 (Mimaki)	\$40,000	55	NO	\$2.1	≈ 300%	~ 5 months
P5 TEX Isub (Durst)	\$130,000	120	YES	\$1.9	≈ 200%	~ 8 months

■ Strategic Advantages

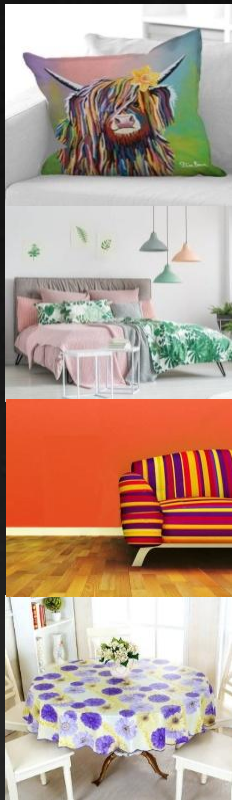
- Inline Fixation: All-In-One solution without an additional calender
- SPC Solution: Uniform color density & vivid print quality on back side of the fabric as well
- Low total Cost of Ownership: Reduced ink, energy and labor cost
- High Reliability: Proven stability in industrial production
- Versatile Applications: Ideal for soft signage, flags, backlit and interior fabrics

Application for TELEIOS HEXA

Automotive	Banner & Pos Graphics	Blueback	Fashion	Flag	Frontlite & Backlite Graphics	Home Textile	Industrial Sublimation	Sportswear	Sun Protection
✓	✓			✓	✓	✓		✓	✓

Disperse – Direct Sublimation	Graphic Pigment	Reactive	Sublimation	Textile Pigment
✓				

Home textile



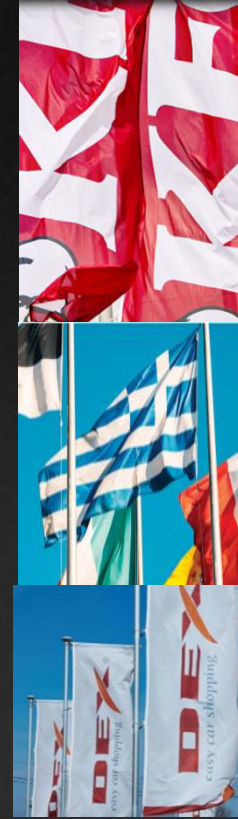
Fashion



Fabric seat cover



Sign & Banner

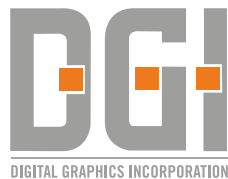
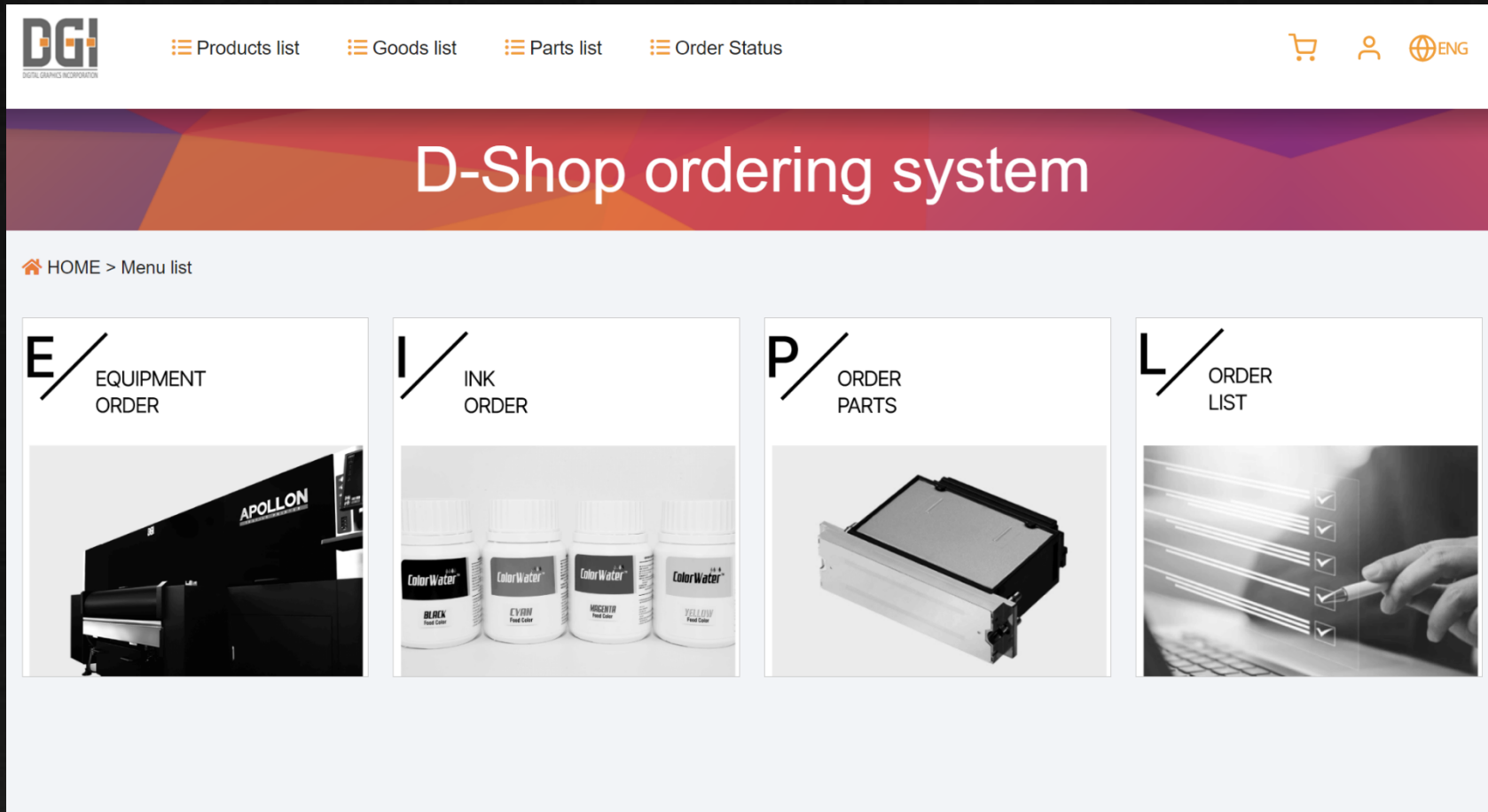


Outdoor



User friendly

- Fast customer service and Easy and accurate parts ordering



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