

ARTEMIS GRANDE

A New Era in 3.2m Wide-Format Printing.
Speed that drives productivity. Quality you can trust.





Introduction to DGI

Since 1985, DGI has been a prominent presence in the global digital printing industry, steadily growing over the years. 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 & Graphics
Printer

~2010

Dye Sublimation
Printer

~2015

Direct Textile
Printer

~2019

Food Printer

~2022

Package Printer

~2023

Acquired
 d-gen

~2025

Establishment
of Full Industrial
Printing Portfolio

Revolutionary 3.2m Printing,
Grande Scale, Supreme Velocity

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Over 80 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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Revolutionary 3.2m Printing,
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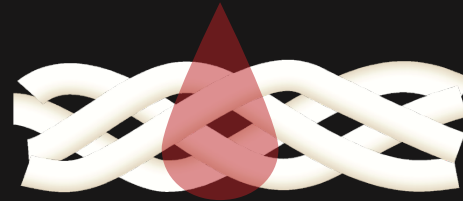
SPC

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 double-sided results for flags.

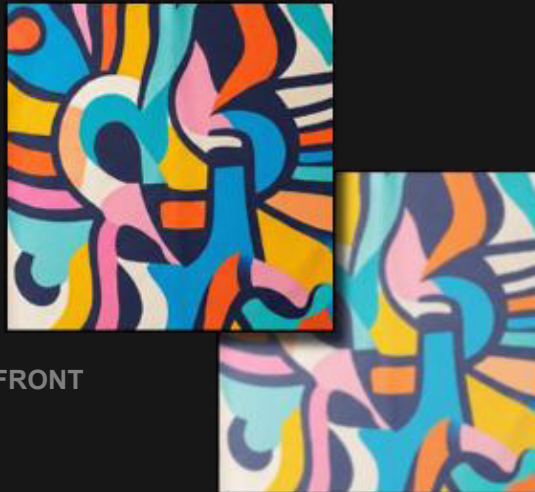


PENETRATION WITHOUT SPC



PENETRATION WITH SPC

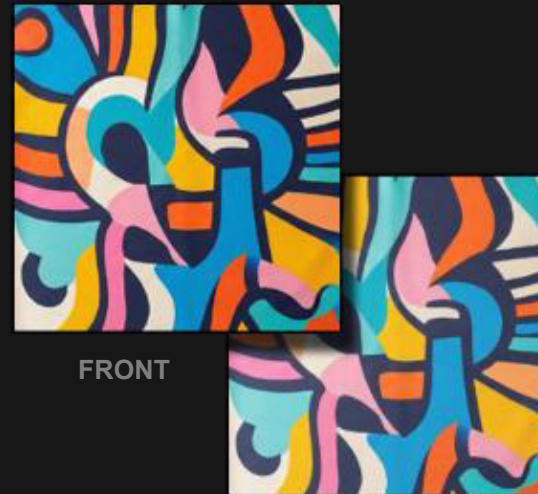
WITHOUT SPC



FRONT

BACK

WITH SPC



FRONT

BACK

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Introducing ARTEMIS GRANDE

The definitive 3.2-meter direct-to-fabric printer, engineered to deliver revolutionary performance and unlock new revenue opportunities for your business.



**Unrivalled
Performance**

New benchmark
in speed and
productivity



**Intelligent
Engineering**

Smarter features for
versatility and
quality



**Economic
Advantage**

Seamless inline workflow
from printing to cutting

**Revolutionary 3.2m Printing,
Grande Scale, Supreme Velocity**

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Technological advancements of the ARTEMIS GRANDE



**Reliable
Printheads**

Ricoh Gen5
X
12 Printheads



**Ink
Configuration**

4, 6, 8 Colors
+
Optional SPC



Max Printing Width

3,230mm



**Max Media
Thickness**

15mm



**High
Production
Speed**

200m² /h
(4C, 360x1200
2pass)



**Max Printing
Resolution**

720 x
3600 dpi



**7pl Smallest
Droplet and
Variable Dots**

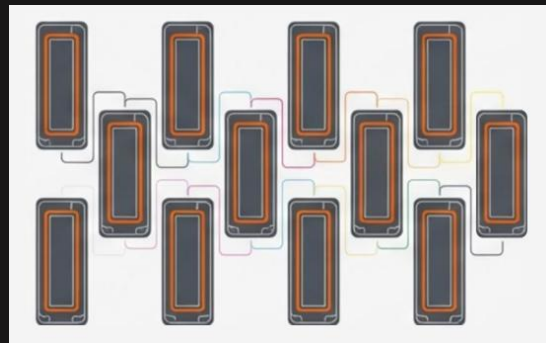
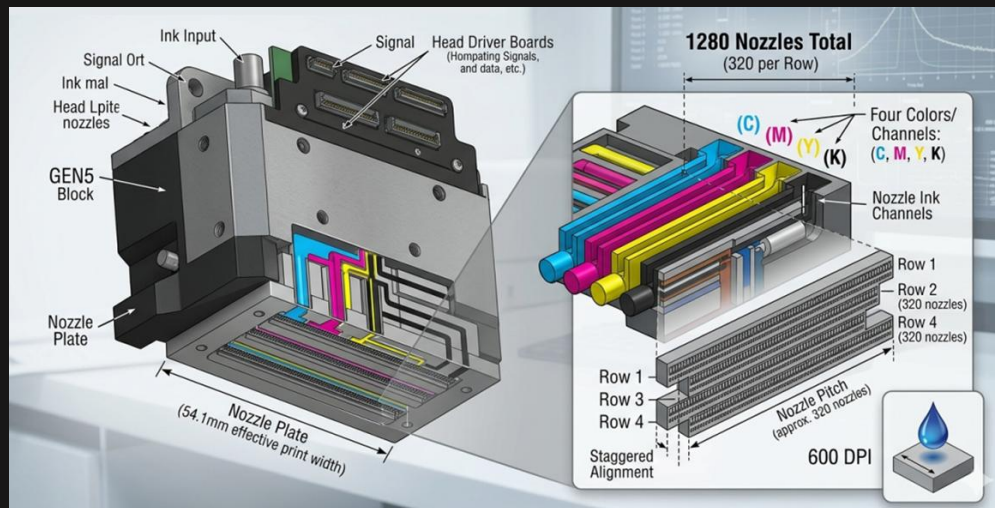
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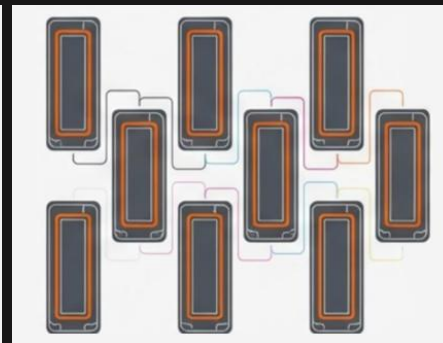
4 color

200 m²/h (2pass)

Engineered for Pure Speed



4 x 3, 12 Heads



3 x 3, 9 Heads(Option)

6, 8color

150 m²/h (3pass)

Head Array

4x3 staggered layout of 12 Ricoh Gen5 print heads maximizes print width coverage with every pass.

Linear Motor Carriage

X-axis driven by quiet, high-precision linear motor eliminates pulley replacements, ensuring consistent printing at high speeds.

Multiple Print Modes

3-Pass Mode achieves up to 150 m²/h production speed.

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Intelligence in Every Detail

Motorized Carriage Height Adjustment

Adjusts up to 20mm automatically, enabling high-quality printing on thick materials like carpets without manual intervention.

Expanded Color Gamut & SPC

Supports 4, 6, and 8 color configurations, including optional Stylish penetration liquid for vibrant brand colors.

Enhanced Media Handling

Superior feeding system ensures reliable, precise media transport for consistent print quality across entire roll.



Lower Investment

Optimized cost efficiency for faster ROI



Increased Productivity

Up to 150 m²/h maximizes ROI



Competitive Edge

No compromise on quality or features

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Print on More Surfaces Than Ever Before

Motorized carriage height adjustment via touch panel

Feature: Clearance up to 15mm enables printing on thick and textured media.

Advantage: Print directly onto carpets, rugs, and challenging textiles impossible for standard printers.

Benefit: Expand into high-margin markets like custom flooring, home decor, and specialty textiles.



Brilliant Color : Vibrancy and Flexibility in Every Drop

Feature

Flexible ink configurations with up to **8 colors**, including Light Cyan, Light Magenta, Orange, and Blue, plus optional Stylish Penetration Liquid.

Advantage

Achieve exceptionally wide color gamut for photorealistic quality, smooth gradients, and precise brand color matching.

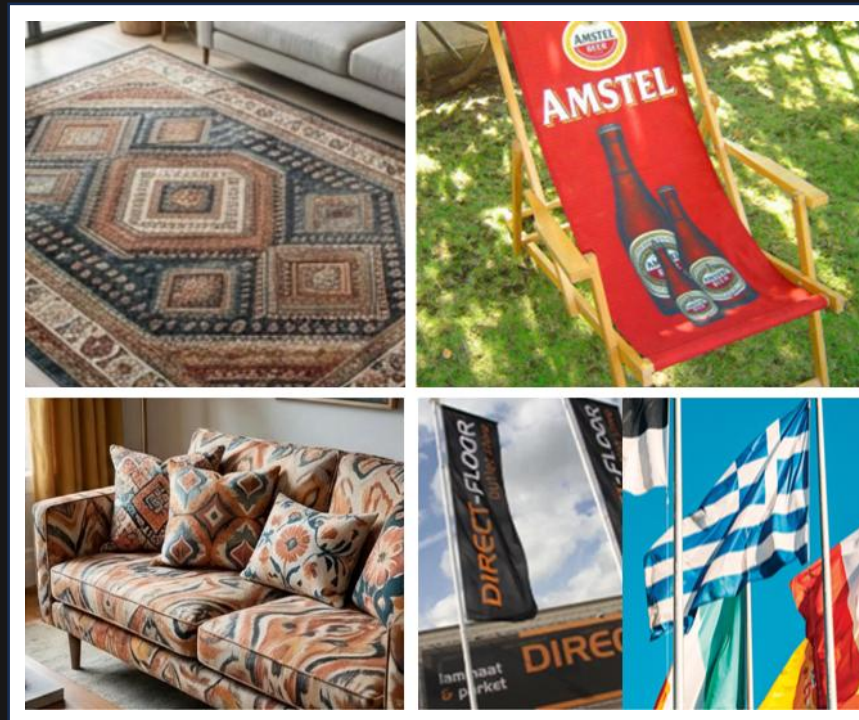
A New Spectrum of Applications

Power and precision unlock opportunities across demanding textile printing segments. From high-volume signage to custom home textiles, one machine provides versatility to capture it all.



Soft Signage & Display Graphics

Capitalize on \$600M+ advertising print market with speed, color vibrancy, and 3.2m width for high-impact displays.



Home & Technical Textiles

With up to 20mm head height adjustment, you can print flawlessly on thick materials like carpets, unlocking new opportunities in the custom decor market.

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Designed for Industrial Performance

Built for stability, usability, and long production runs

Ergonomic layout for easy operation and maintenance
Optimized structure for safe and efficient workflow
Consistent design across DGI industrial platforms



Distinctive Identity

Unique aesthetic that stands out on production floor



User-Centric Ergonomics

Key touchpoints positioned for ease of use and maintenance



DGI Tone & Manner

Creating cohesive family look design

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Design Concept : Sophisticated Elegance

ARTEMIS GRANDE is an innovative digital printer that combines sophisticated, fluid curves with ergonomic engineering to move beyond traditional industrial aesthetics and maximize both user convenience and safety.



LEFT SIDE VIEW



FRONT VIEW



REAR VIEW

Minimalism



Sophisticated
Palette



Functional
Curves



Precision
Detail

ARTEMIS GRANDE Production Line Configuration

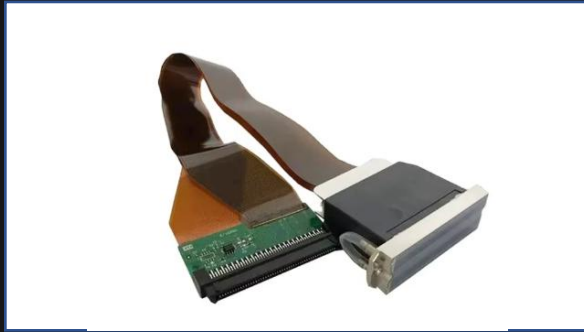


UNWINDER (OPTION)	PRINTER	SUB PLATE	FIXATION	WINDER(OPTION : BASIC or JUMBO)
900mm	3320mm			Basic : 847mm Jumbo : 980mm

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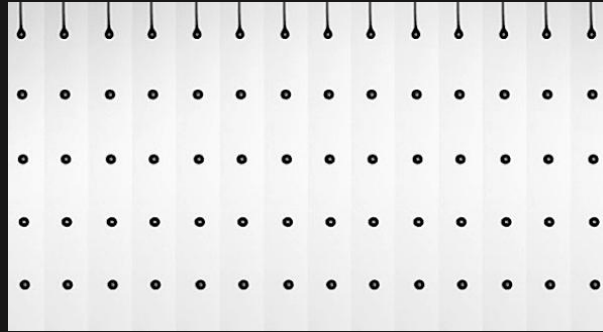
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Main key features



Heavy-duty, long-lasting printhead

To ensure high-resolution printing, the Ricoh Printhead is equipped with 1,280 nozzles, enabling it to produce droplets as small as 7pl.



Dedicated Waveform

The dedicated waveform, developed by DGI, enables us to respond to customers' demands for quality graphics and design in various ways.



Advanced Cleaning System

The entire printhead can be wiped clean with a single blade stroke, ensuring optimal maintenance efficiency.



Mist Removal in Main Body & Head Carriage

Dual dust removal systems prevent contamination of both the media and peripherals by effectively removing ink mist and dust generated during printing.



Head Collision Protection System

Bi-directional anti-collision sensors are located on both the left and right sides of the carriage to detect and prevent potential damage.



Air Circulation and Purification System

Fine particulate oil mist is effectively removed through an **electromagnetic adsorption method**, maintaining a clean working environment.

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Main key features



Dual Dryer System (Front & Rear)

Dual heaters are arranged in a 2-stage front and rear configuration to achieve powerful and consistent drying performance.



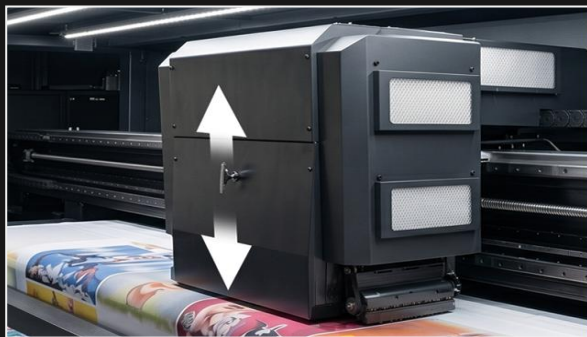
Safety Rope Switch

For maximum operator safety, emergency stop rope switches are located at both the front and rear of the machine.



Linear Motor & Metal Encoder

The application of a high-precision linear motor and metal encoder scale provides superior stability and accurate output.



Supports media up to 15 mm thickness

The carriage height can be adjusted along the Z-axis to accommodate various media thicknesses



Fixation + Cutter(Optional)

Integrated inline cutter installed on fixation unit
→ Enables efficient post-processing without additional equipment
Easy maintenance / Easier to Service

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Specification

Printing	Ink	Printing Speed	
Print Head	Direct Sublimation	4C	6/8C
Ricoh 12 Heads / 3Stagger	Yellow, Magenta, Cyan, Black, Orange, Blue, Light Cyan, Light Magenta	360X1200dpi 2pass	360X900dpi 3pass
		200 m²/h	150 m²/h
Maximum Print Resolution	Stylish Penetration Control		
720X3,600dpi	SPC	360X1800dpi 3pass	360X1200dpi 4pass
		150 m²/h	115 m²/h
Maximum Print Width	Ink Capacity		
3,230mm	5kg	360X2400dpi 4pass	360X1800dpi 6pass
		110 m²/h	76 m²/h
Print Mode			360X2400dpi 8pass
Bi-Direction/Uni-Direction			58 m²/h

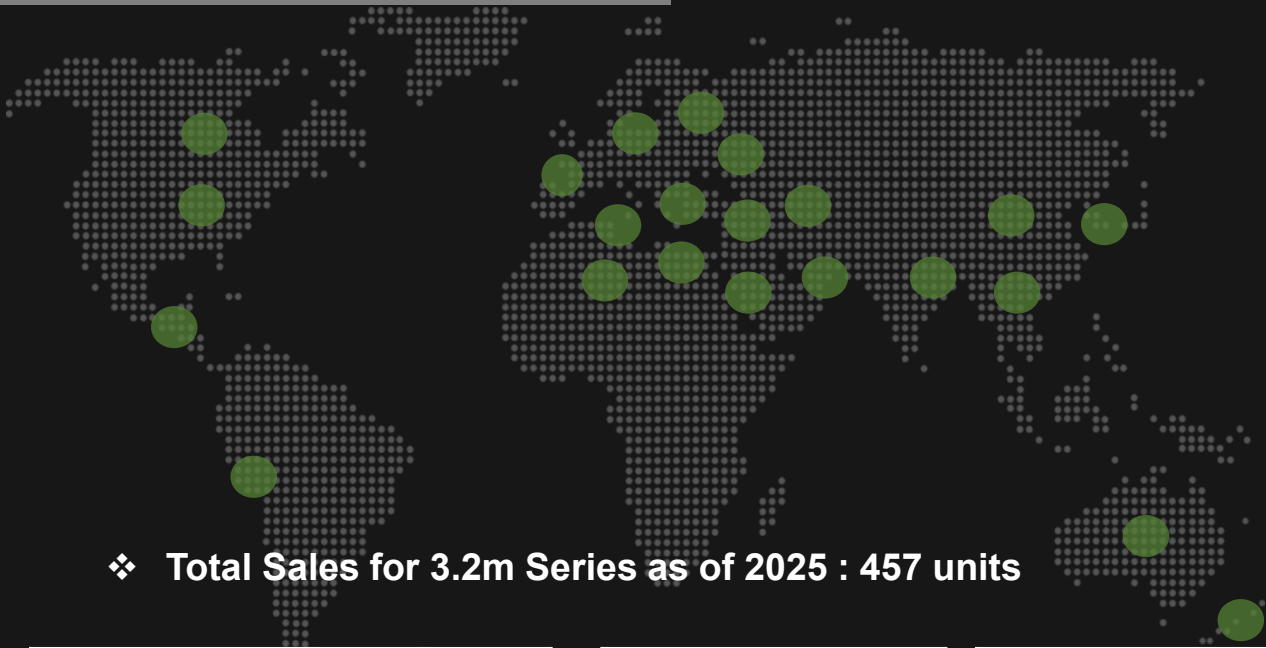
Specification

Media	Operational Environment	Others
Media Drive Roll to Roll	Temperature Operating: 20°C~25°C(68°F~77°F)	Rip Software Ergosoft, Caldera
Maximum Media Width 3,250mm	Humidity Operating: 45~65%	Air Supply Specifications Supply Pressure: 4 bar Flow Rate: 6 m³/h Air Connection Tube Diameter: ø8 (O.D.)
Maximum Media Load(Basic Specifications) Diameter : 350mm, Weight : 150kg	* Environmental influences can affect print quality.	
Maximum Media Load(Optional Specifications) Diameter : 800mm, Weight : 250kg		
Core Diameter Feeder 3 inch		
Dimensions / Weight	Size based on connection structure	Electricity
Printer 5,697(W) x 1,405(D) x 2,288(H) mm, 2,960kg	(1) Printer+Sub Plate+Winder 5,697(W) x 2,611(D) x 2,288(H) mm	Printer 19kW 3Φ AC 380V, 29A
Sub Plate 3,800(W) x 590(D) x 210(H) mm, 116kg	(2) Printer+Sub Plate+Heatman Pro Grande+Winder 5,697(W) x 3,934(D) x 2,288(H) mm	Winder 0.4kW 1Φ AC 220V, 2A
Winder 3,825(W) x 532(D) x 674(H) mm, 242kg	(3)Option Unwinder+Printer+Sub Plate+Heatman Pro Grande+Option Winder 5,697(W) x 5,240(D) x 2,288(H) mm	Fume Buster 1.3kW 1Φ AC 220V, 6A
Fume Buster 755(W) x 692(D) x 1,588(H) mm, 270kg		Heatman Pro Grande 28kW 3Φ AC 380V, 43A
Heatman Pro Grande 4,675(W) x 1,154(D) x 1,410(H) mm, 950kg		

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Sales Performance of DGI 3.2m Wide-Format Printers



❖ Total Sales for 3.2m Series as of 2025 : 457 units

Asia	
South Korea	21
Australia	8
China	6
India	7
New Zealand	1
Philippines	1
Singapore	1
Thailand	7
Total	51

Europe			
Belgium	68	Poland	10
Bulgaria	10	Portugal	22
Croatia	1	Slovakia	1
Finland	2	Spain	4
France	6	Sweden	2
Germany	9	Türkiye	4
Italy	15	UK	13
Latvia	1	Serbia	2
Lithuania	2		
Netherlands	1		
Total		173	

Middle East + Africa	
Egypt	1
Iran	4
Iraq	20
Kenya	2
Lebanon	17
Saudi Arabia	27
Tunisia	1
UAE	30
Total	102

North America	
Canada	4
USA	121
Total	125

South America	
Chile	2
Mexico	3
Total	5

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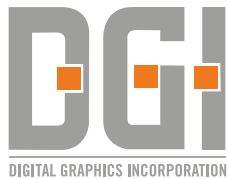
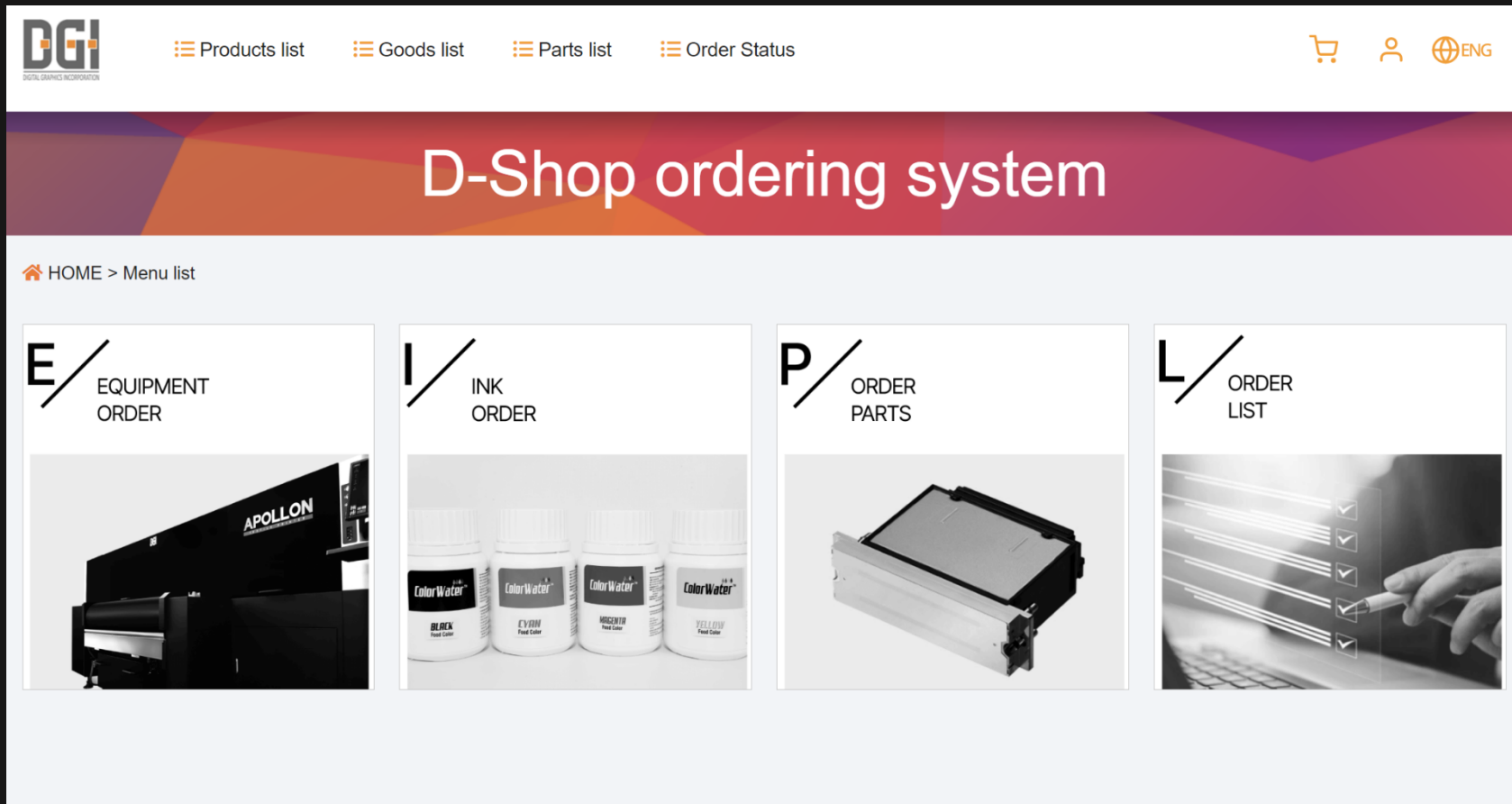
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Spec Comparison

Item		Artemis Grande				Teleios Grande G5		Teleios Grande H12	
Head		RICOH GEN5				RICOH GEN5		RICOH GEN5	
Color		4		6/8 (SPC Available)		4		6 (SPC Available)	
Print Speed (Based on Production Resolution)	2 Pass	200m ² /h	Production 360x1200 Quality 720x1200	-	-	154m ² /h	Production 360x1200 Quality 720x1200	143m ² /h	Production 400x1200 Quality 600x1200
	3 Pass	160m ² /h	Production 360x1800 Quality 720x1200	150m ² /h	Production 360x900 Quality 600x900	119m ² /h	Production 360x1800 Quality 720x1200	98m ² /h	Production 400x1800 Quality 600x1800
	4 Pass	120m ² /h	Production 360x2400 Quality 720x2400	115m ² /h	Production 360x1200 Quality 600x1200	90m ² /h	Production 360x2400 Quality 720x2400	78m ² /h	Production 400x2400 Quality 600x2400
	6 Pass	-	-	76m ² /h	Production 360x1800 Quality 600x1200	-	-	-	
	8 Pass	-	-	58m ² /h	Production 360x2400 Quality 600x2400	-	-	-	
Media Width		3,250mm				3,250mm		3,250mm	
Head Arrangement		4 Heads per row (3 rows)				4 Heads per row (2 rows)		6 Heads per row (2 rows)	
Media Weight		350mm/150kg Optional : 800mm/250kg				350mm/150kg		280mm/150kg	
Dimension (mm)		5,697*1,405*2,288				5814(W)*1167(D)*1720(H)		5014(W)*1150(D)*1665(H)	
Tension Control System		Cylinder Press roller				2 nd roller(Servo motor)		Fabric Press Roller	
Carriage Motor Type		Linear motion / Magnetic type (Precision & Stability)				Belt / Encoder strip type		Linear motion / Magnetic type	
Head Height Adjustment		Carriage (~ Max 20mm) / Media (~ Max 15mm)				Carriage (~ Max 15mm) / Media (~ Max 10mm)		Carriage (~ Max 10mm) / Media (~ Max 5mm)	
Tension Roller Type		Cylinder type				Weight type		Cylinder type	
Dust Protection		(1) Carriage Fan (2) Dust removal devices(2ea)				None		(1) Printer Rear Cover Fan (2) Dust removal device(1ea)	
Dryer Performance		Front: 7.5kw / Rear: 5kw / Distance : 410mm (Powerful Dual Dryer)				1kw*6ea = 6kw / Distance : 650mm		1kw*6ea = 6kw / Distance : 350mm	
Exterior		Covered				Without Cover		Covered	
Auto-Cleaning System		Single Blade				None		Dual Wiper	
Individual Print Mode		Row1, Row2, Row3				Row 1, Row 2		Row 1, Row 2	
Power Specifications		3-Phase, AC380V, 18kw				3-Phase, AC380V, 13.4kw		3-Phase, AC380V, 13.8kw	
Remote Monitoring Industry 4.0		DGI Monitoring Center DMC (Smart Operation)				None		None	

User friendly

- Fast customer service and Easy and accurate parts ordering



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