

IRIS

1.1 m PRINTING WIDTH
ENTRY-LEVEL DYE-SUBLIMATION PRINTER





DIGITAL GRAPHICS INCORPORATION

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



HIGH PRODUCTIVITY
DYE-SUBLIMATION PRINTER **IRIS**

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.

DGI HEADQUARTERS

52, Cheongdam-Ro, Yangju-si, Gyeonggi-do,
Korea
TEL +82-31-820-8900

DGI GROBAL SALES OFFICE

11F, Simon Tower, 15 Teheran-ro 84-gil,
Gangnam-gu, Seoul
TEL +82-2-820-8900

DGI Europe

Via Giuseppe Garibaldi, 151, 20833 Giussano MB, Italy
TEL +39-340-38-70-459

DGI USA

27 Spectrum Pointe Drive, Suites 311 and 312,
Lake Forest, CA, USA
TEL +1-949-942-1885

DGI CHINA

Outlets130-104, Hengdayulanguoji, No.702 Shanhe Road, Chengyang District,
Qingdao City, Shandong Province, CHINA
TEL +86-187-6390-1188

HIGH PRODUCTIVITY
DYE-SUBLIMATION PRINTER

IRIS

Amazingly easy
and precise printing !



Up to

60 m²/h

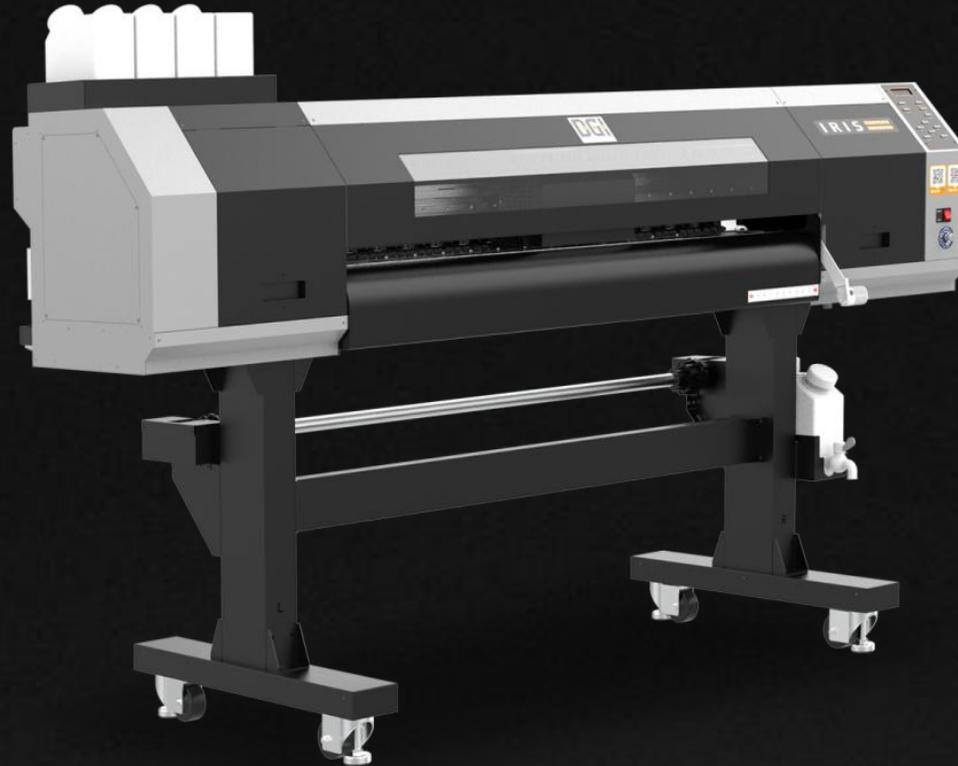
Speed

Up to

**720
X 1800** dpi

Resolution

Technological advancements of the IRIS



High
Production
Speed

60m² /h



2.5pl Smallest Droplet
and Variable Dots

The printer can efficiently
adjust and jet ink droplet
sizes according to the
characteristics of the image.



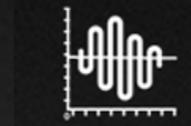
Resolution

720 x
1800 dpi



Advanced
Printheads

i3200 X 2
Printheads



Waveform

DGI enhances print
quality by utilizing its
proprietary waveform
technology



Bulk ink
system

Ink refills
even during
printing

HIGH PRODUCTIVITY
DYE-SUBLIMATION PRINTER

IRIS

Why the IRIS is essential for your business : 1



High Productivity

Fast Output Speed:

It offers a faster printing speed compared to competing printers in the same class.

Continuous Ink Supply System (CISS):

The large-capacity ink tanks allow for long, continuous printing without frequent ink changes, maximizing work efficiency.

Large-Capacity Ink Tanks:

Each color has a large 2.5-liter ink tank, ensuring stable operation even in high-volume printing environments.



Excellent Print Quality

Precise Ink Droplet Control:

It can produce amazingly fast and precise output, using the smallest 2.5pl droplets and Variable Dot technology to express smooth gradients and rich colors.

Dedicated Waveform:

A specialized waveform technology optimizes printhead performance for more precise control, resulting in high-quality prints.

Why the IRIS is essential for your business : 2



User Convenience

Easy Installation and Media Loading

The simplest media handling method allows you to insert the media into the unwinder roller and place it on the bracket, making it easy for anyone to set up and use.



Durability and Stability

Adjustable Pinch Roller Pressure

You can adjust the pinch roller pressure according to the material, preventing it from lifting and ensuring straightness during printing.

Suction-Type Capping Station

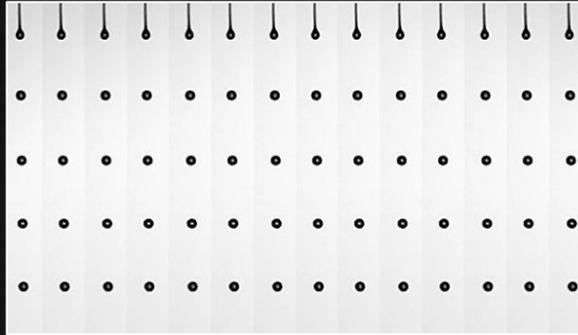
This protects the printhead nozzles and prevents ink from drying, extending the printer's lifespan and reducing maintenance costs.

MAIN KEY FEATURES



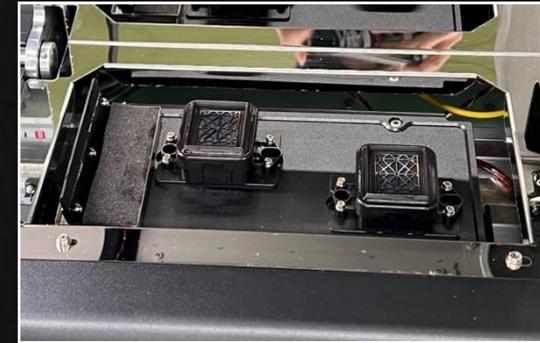
MORE PRECISE PRINthead CONTROL

To ensure high-resolution printing, the I3200 Printhead is equipped with 3200 nozzles, enabling it to produce droplets as small as 2.5pl.



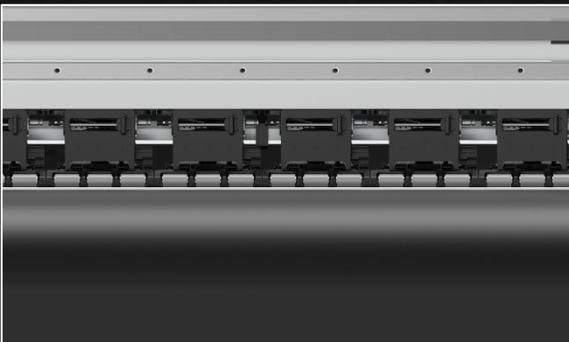
DEDICATED WAVEFORM

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



SUCTION TYPE CAPPING STATION

The newly designed suction-type capping station enables the easy and efficient and effortless unclogging of print head nozzles.



PINCH ROLLER PRESSURE ADJUSTMENT

The pinch roller pressure can be adjusted, allowing use many kind of thicknesses paper in various environments.



UNWINDER SYSTEM

Applied the simplest media handling method of inserting the media into the unwinder roller and placing it on the bracket.



CONTINUOUS INK SUPPLY SYSTEM

The bulk type Ink system, which is very simple and accessible, is designed for ink refilling, even during printing, to enable mass printing.

Specification

Printing	Ink	Printing Speed
Print Head EPSON 2 Heads	Water based Dye Sublimation Yellow, Magenta, Cyan, Black	720X600dpi 2pass 60m ² /h
Ink Type Water based Dye Sublimation	Ink Capacity 2.5L	360X1,800dpi 3pass 40m ² /h
Number of Colour 4		720X1,200dpi 4pass 30m ² /h
Maximum Print Resolution 720X1,800dpi		720X1800dpi 6pass 20m ² /h
Max Print Width 1,100mm		
Print Mode Bi-Direction/Uni-Direction		

Specification

Media	Operational Environment	Others
Media Drive Pinch Roll	Temperature Operating: 20°C~30°C	Rip Software Ergosoft, Onyx
Maximum Media Width 1,120mm	Humidity Operating: 40~70%	
Maximum Media Load Diameter : 200mm, Weight : 25kg	<ul style="list-style-type: none">Environmental influences can affect print quality.	
Core Diameter 2&3inch		
Dimensions	Weight	Electricity
Printing Machine 2,100(W) x 847(D) x 1,415(H) mm	Printing Machine 127kg	Printing Machine 0.7kW 1Φ AC 220~240V, 3A 0.7kW 1Φ AC 100~120V, 6A

Advantages over competitors

	DGI IRIS	EPSON SC-F6400
Product Image		
Print Technology	DOD Piezo Electric Technology	Advanced MicroPiezo TFP printhead
Max Printing Width	1,100 mm	1,118mm
Print Heads	27개 (i3200 A-1)	17개 (i3200)
Max Printing Speed	35 sqm/h (720x1200 dpi, 4-pass)	19.9 sqm/h (600x600 dpi, 4-pass)
Max Resolution	720x1800 dpi	600 x 1,200 dpi
Ink	F173	Aqueous Sublimation Ink
Color	4색 (C, M, Y, High Density K)	4색 (C, M, Y, High Density K)
Dot Size	2.5 picoliters	3.5 picoliters
Ink Tank Size	2.5-liter ink tanks for each color	1.6-liter ink tanks for each color
Key Feature	Faster printing speed compared to competitors Easy installation	Easy installation Large size touch screen Nozzle Verification Technology
Size(W x D x H)	2,100 x 847 x 1,415 mm	1,608 x 1,128 x 927 mm
Weight	127 kg	120 kg

- Fast customer service and Easy and accurate parts ordering

DGI
DIGITAL GRAPHICS CORPORATION

Products list Goods list Parts list Order Status

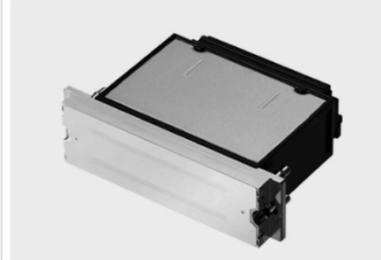
Shopping cart User profile ENG

D-Shop ordering system

HOME > Menu list

- E** EQUIPMENT ORDER

- I** INK ORDER

- P** ORDER PARTS

- L** ORDER LIST


Address 52, Cheongdam-ro, Yangju-si, Gyeonggi-do, 11459, Rep. of KOREA Tel. (82)-(31) 820 – 8900 Fax : (82)-(31) 820-8980& email : dgisupport@dgi-net.com
Company Registration Number : 127-81-18162 CEO : CHOI DONG HO
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