

TELEIOS OMNI PRO

Adieu! Pre-Treatment



DGI
DIGITAL GRAPHICS INCORPORATED

d·gen

**PRE-TREATMENT.
PRINTING.
FIXATION.**

Just paired.



Feel Free | Pre-Treatment



CBS

Color Boosting Solution

CBS is a newly developed technology by d.gen & DGI that guarantees high-quality inkjet printing without requiring any separate pre-treatment process.

It reacts with pigment inks, enhances the vibrancy of colors, and increases their fastness on a wide range of fabric, including cotton, polyester, nylon, etc.



Great performance with

Cotton, Polyester, Nylon, Rayon and More





SAMPLE A
None coated fabric without CBS



SAMPLE B
None coated fabric **with CBS**



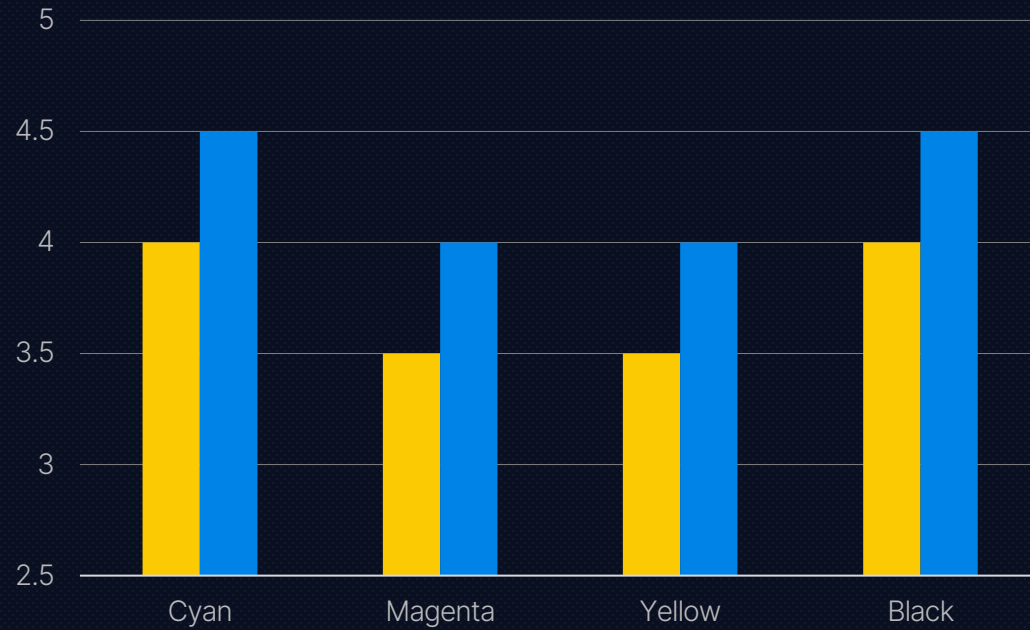
SAMPLE C
None coated fabric without CBS



SAMPLE D
None coated fabric **with CBS**

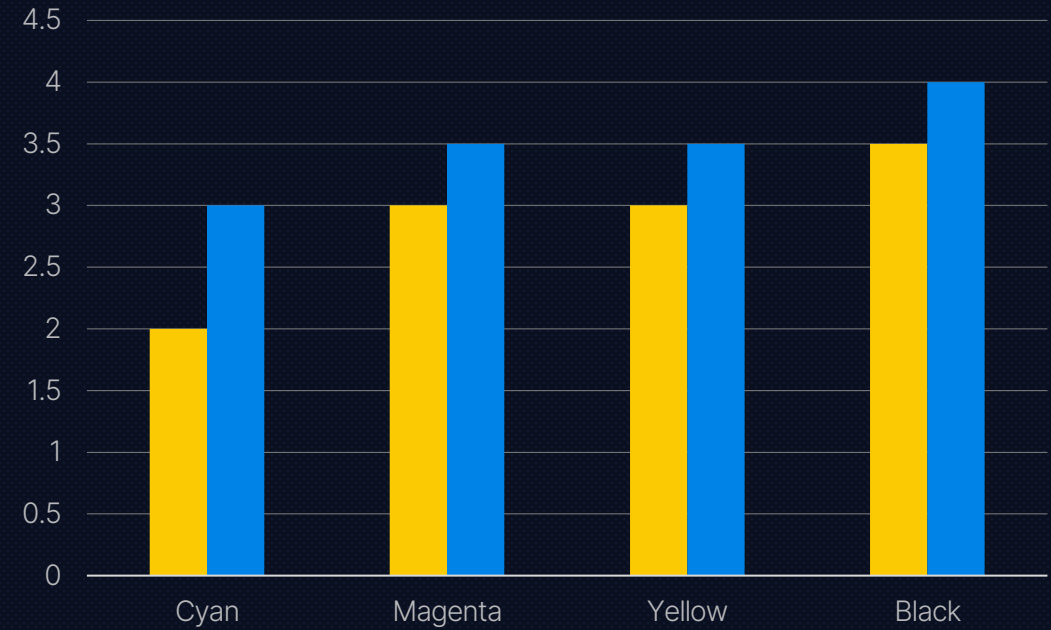
Colorability

COLOR FASTNESS TO WASHING (GRADE) : ISO 105-C06:2010
(A2S, (40 ± 2) °C, ECE(B), DRY)



■ TRADITIONAL PRECOATING PROCEDURE

COLOR FASTNESS TO WASHING (GRADE) : ISO 105-C06:2010
(A2S, (40 ± 2) °C, ECE(B), WET)

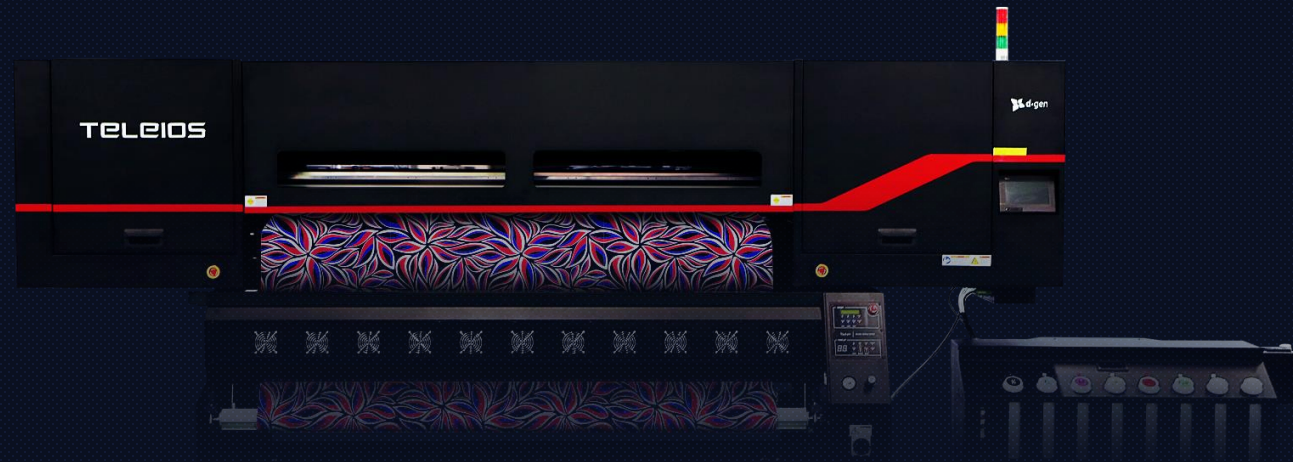


■ NO PRECOATING, PRINT WITH CBS

Fastness

TELEIOS OMNI PRO

Roll to Roll | In-line Fixation



INDUSTRIAL LEVEL DIRECT TO TEXTILE PRINTER

Up to

70 m²/h

Speed

Up to

600
X 2400 dpi

Resolution



KEY FEATURES



RICHO GEN6

Compared to Ricoh Gen5, the Gen6 print head can achieve a high ink drop ignition frequency of up to 50KHz to meet the demand for high-speed printing.



POWERFUL IN-LINE DRYER

The power capacity of the in-line textile dryer has been increased in order to meet the demands of large-scale production.



UPGRADED DEGASSING SYSTEM

The degassing system improves runability for continuous printing, reduces cleaning time, prevents missing nozzles, and minimizes excessive ink usage.



FUME EXTRACTION UNIT

The newly designed fume extraction unit efficiently extracts heat and fumes, preventing discoloration caused by fumes and oil inside the dryers.



ADVANCED WIPER SYSTEM

By increasing the number of wipers, the advanced wiping system significantly reduces head cleaning time and maintains optimal head performance.



HIGH-CAPACITY INK TANKS

The ink system, which has a capacity of 5L, has been designed to facilitate effortless and convenient ink refilling, even during printing.

SPECIFICATIONS

Printing

Print Head

Ricoh, 5 Heads

Ink Type

Pigment

Number of Colour

6 + CBS

Max Printing Resolution

600 x 2400dpi

Max Printing Width

1,830mm

Printing Mode

Bi-Direction/Uni-Direction

Ink

Pigment

Yellow, Magenta, Cyan, Black
+ Lc, Lm, Sc, Gr

Ink Capacity

5L

Printing Speed

600 X 600dpi 2pass

70m²/h

600 X 1200dpi 4pass

42m²/h

600 X 2400dpi 6pass

23m²/h

SPECIFICATIONS

Media

Media Drive

Roll to Roll

Max Media Width

1,880mm

Max Media Load

Diameter : 300mm, Weight : 40kg

Max Media Thickness

2mm

Core Diameter Feeder

300mm, 2~3inch

Operational Environment

Temperature

Operating: 20°C~25°C

Humidity

Operating: 45~65%

* Environmental influences can affect print quality.

Others

Rip Software

Ergosoft, Caldera, Wasatch

SPECIFICATIONS

Dimensions

Printing Machine

3,720(W) x 1,070(D) x 1,670(H) mm

Fixation

3,020(W) x 6,35(D) x 830(H) mm

Dryer

2,475(W) x 625(D) x 750(H) mm

Fumebuster

620(W) x 650(D) x 1,635(H) mm

Weight

Printing Machine

700kg

Fixation

500kg

Dryer

150kg

Fumebuster

180kg

Electricity

Printing Machine

1.95kW, 1Φ AC 220~240V, 8.85A

Fixation

9.65 kW, 3Φ AC 380~415V, 14.67A

Dryer

5.3kW, 1Φ AC 220~240V, 24A

Fumebuster

4.5kW, 3Φ AC 380~415V, 6.83A

OUR GLOBAL NETWORK

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 GLOBAL SALES OFFICE

11F, Simon Tower, 15 Teheran-ro 84-gil, Gangnam-gu, Seoul
TEL +82-31-820-8900

DGI EUROPE

Via Giuseppe Garibaldi, 151, 20833 Giussano MB, Italy
TEL +39-340-3870459

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

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