

ARTRIX OMNI PRO

Adieu! Pre-Treatment





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Pre-Treatment



DIGITAL GRAPHICS INCORPORATION



PRE-TREATMENT + PRINTING

Just paired.

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

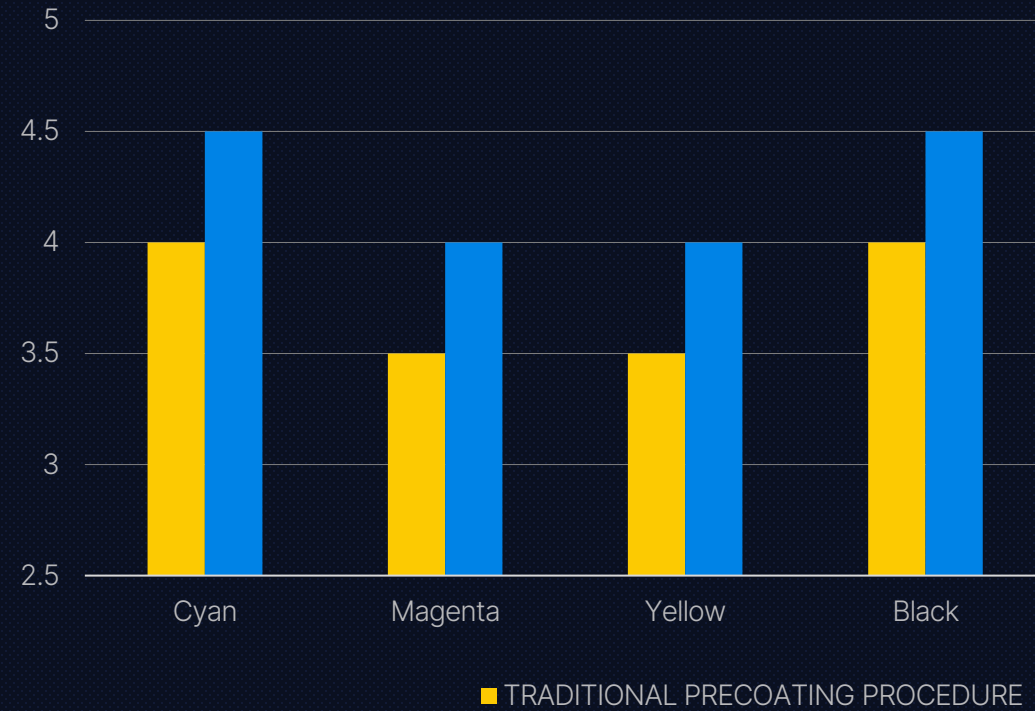


SAMPLE C
None coated fabric without CBS

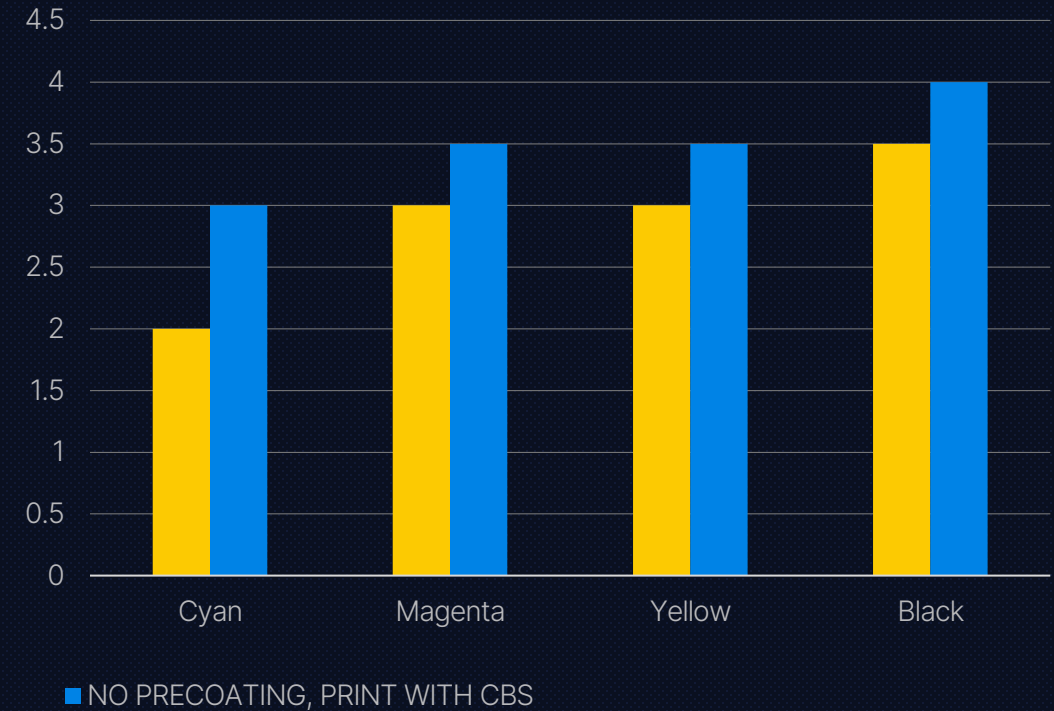
SAMPLE D
None coated fabric with CBS

Colorability

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



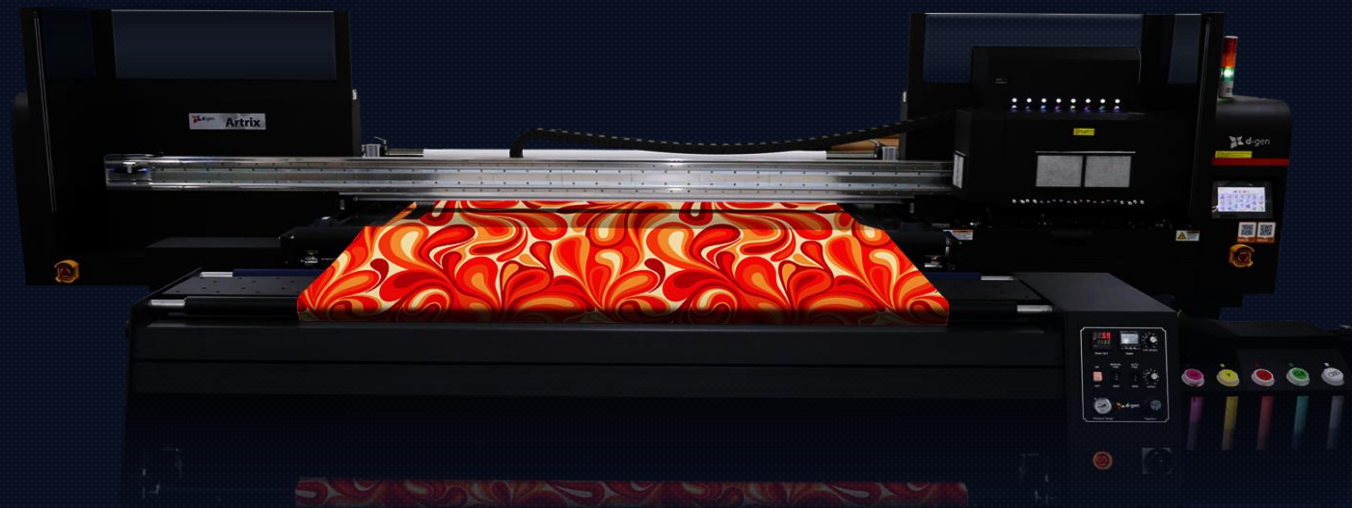
COLOR FASTNESS TO WASHING (GRADE) : ISO 105-C06:2010
(A2S, (40 ± 2) °C, ECE(B), WET)



Fastness

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DGI
DIGITAL GRAPHICS INCORPORATED

 d.gen

INDUSTRIAL LEVEL DIRECT TO TEXTILE PRINTER

Up to

117 m²/h

Speed

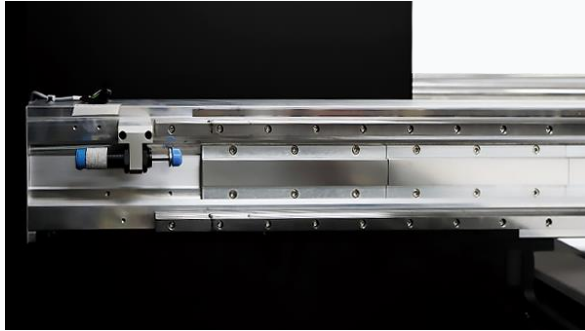
Up to

600
X 1,200 dpi

Resolution



KEY FEATURES



LINEAR MOTOR AND METAL ENCODER SCALE

The linear motor and metal encoder scale ensure high-precision printing, while also maintaining low operational and maintenance costs.



POWERFUL IN-LINE DRYER

The In-line dryer is equipped with six infrared lamps, making it more powerful and explicitly designed to efficiently dry even the thickest fabrics at high speeds.



HIGHLY VERSATILE FABRIC FEEDING SYSTEM

The feeding system provides edge positioning control to ensure perfect feeding. Additionally, it incorporates a pneumatic clutch to prevent distortion of the media.



ADVANCED BELT WASHING UNIT

Equipped with a powerful brush and dryer, the advanced belt washing unit enhances the long-lasting tackiness of the glue.



UPGRADED DEGASSING SYSTEM

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



SMART FABRIC PRESS ROLLER

The smart fabric press roller finely regulates pressure in order to ensure stable printing and prevent distortion of the media.

SPECIFICATIONS

Printing

Print Head

Ricoh, 10 Heads

Ink Type

Pigment

Number of Colour

6 + CBS

Max Printing Resolution

600 X 1,200dpi

Max Printing Width

1,830mm

Printing Mode

Bi-Direction/Uni-Direction

Ink

Pigment

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

Ink Capacity

5L

Printing Speed

600 X 600dpi 2pass

117m²/h

600 X 900dpi 3pass

86m²/h

600 X 1,200dpi 4pass

65m²/h

SPECIFICATIONS

Media

Media Drive

Adhesive Belt Conveyor System

Belt Washing

Automatic

Max Media Width

1,880mm

Max Media Load

Diameter : 320mm, Weight : 40kg

Diameter : 320mm, Weight : 100kg

*Option (Rubber Band Shaft)

Max Media Thickness

2mm

Core Diameter Feeder

320mm, 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

4,130(W) x 1,700(D) x 1,800(H) mm

Dryer (6heats)

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

Weight

Printing Machine

2,800kg

Dryer (6heats)

1,470kg

Electricity

Printing Machine

9.82kW, 3Φ AC 380~415V, 14.92A

Dryer (6heats)

7.85kW, 3Φ AC 380~415V, 11.91A

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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