ARTRIX OMNI PRO

Adieu! Pre-Treatment

DGI DIGITAL GRAPHICS INCORPORATION

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Pre-Treatment
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PRE-TREATMENT + PRINTING

Just paired.

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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.

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Great performance with

Cotton, Polyester, Nylon, Rayon and More

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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

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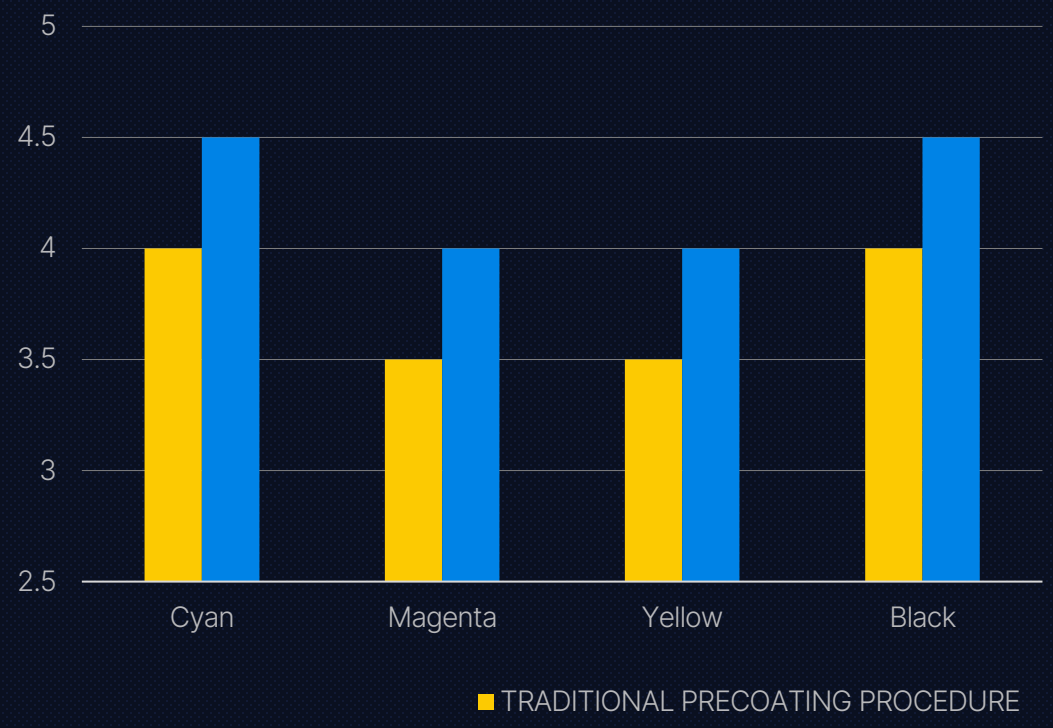
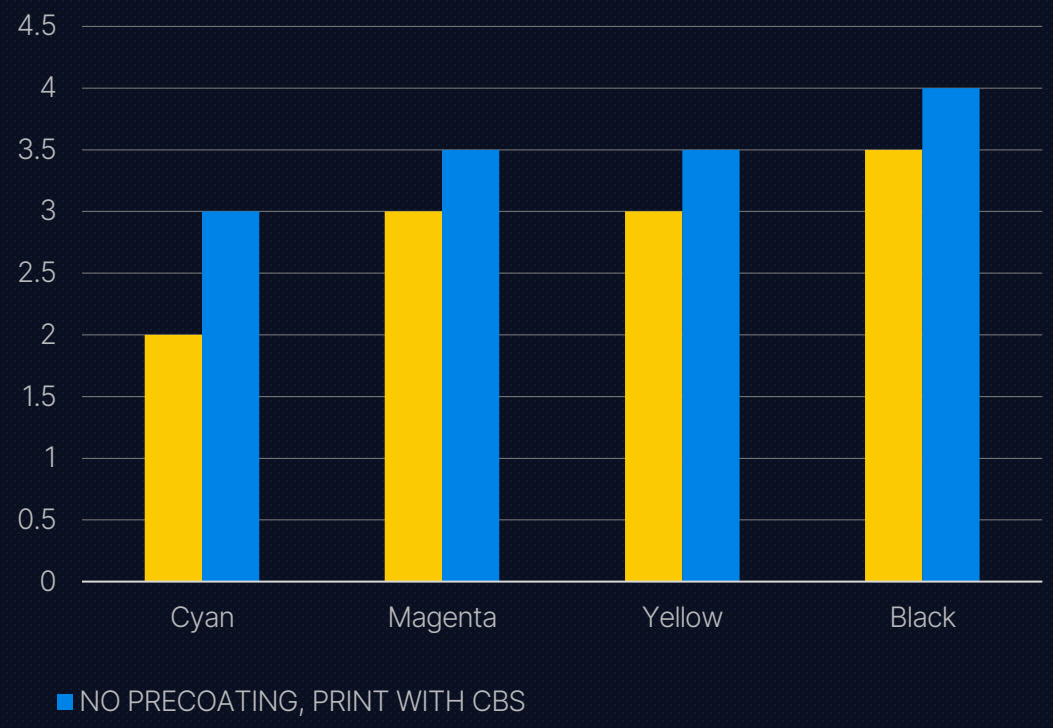
COLOR FASTNESS TO WASHING (GRADE) : ISO 105-C06:2010
(A2S, (40 ± 2) °C, ECE(B), DRY



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



Fastness

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INDUSTRIAL LEVEL DIRECT TO TEXTILE PRINTER

Up to

117 ㎡/h

Speed

Up to

600 X 1,200 dpi

Resolution

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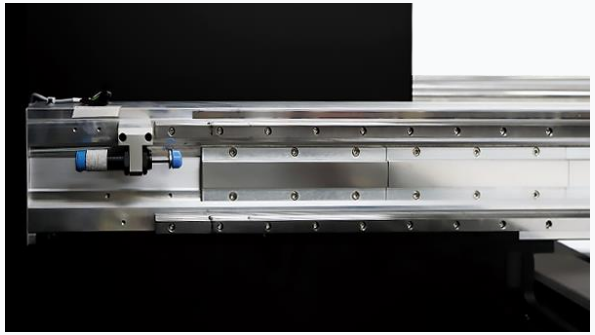
KEY FEATURES



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
117m^2/h

600 X 900dpi 3pass
86m^2/h

600 X 1,200dpi 4pass
65m^2/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 625D) 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.

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