# TELEIOS OMNI PRO

*Adieu!* Pre-Treatment

DGI
DIGITAL GRAPHICS INCORPORATION

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# PRE-TREATMENT.
# PRINTING.
# FIXATION.

Just paired.

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Feel Free | Pre-Treatment

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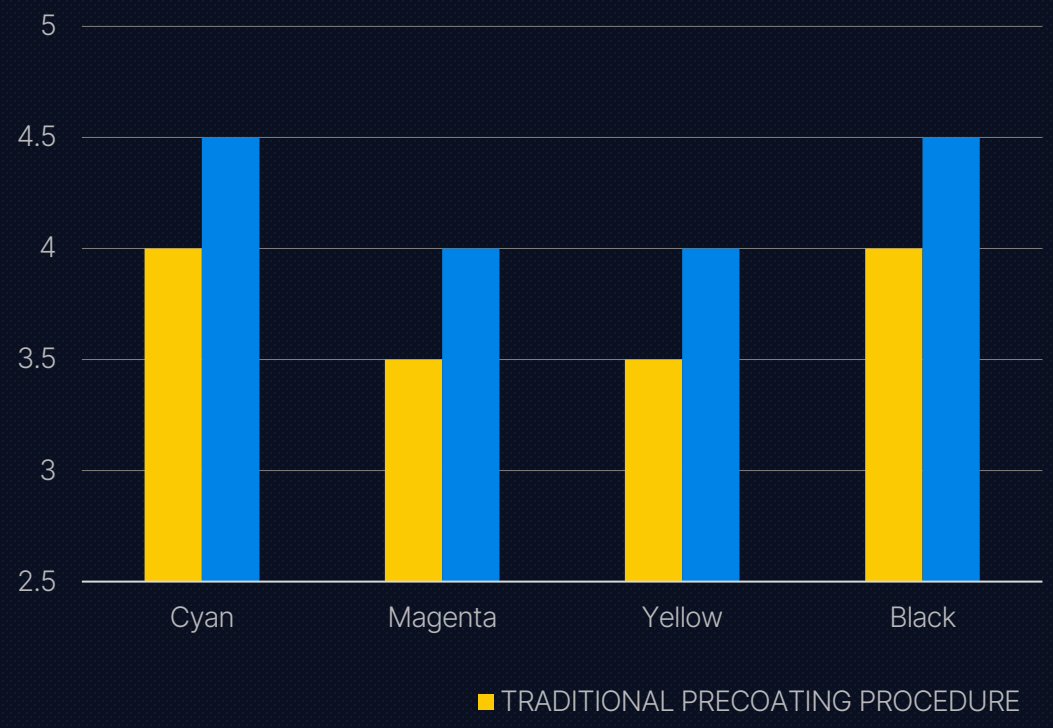
COLOR FASTNESS TO WASHING (GRADE) : ISO 105-C06:2010
(A2S, (40 ± 2) °C, ECE(B), DRY

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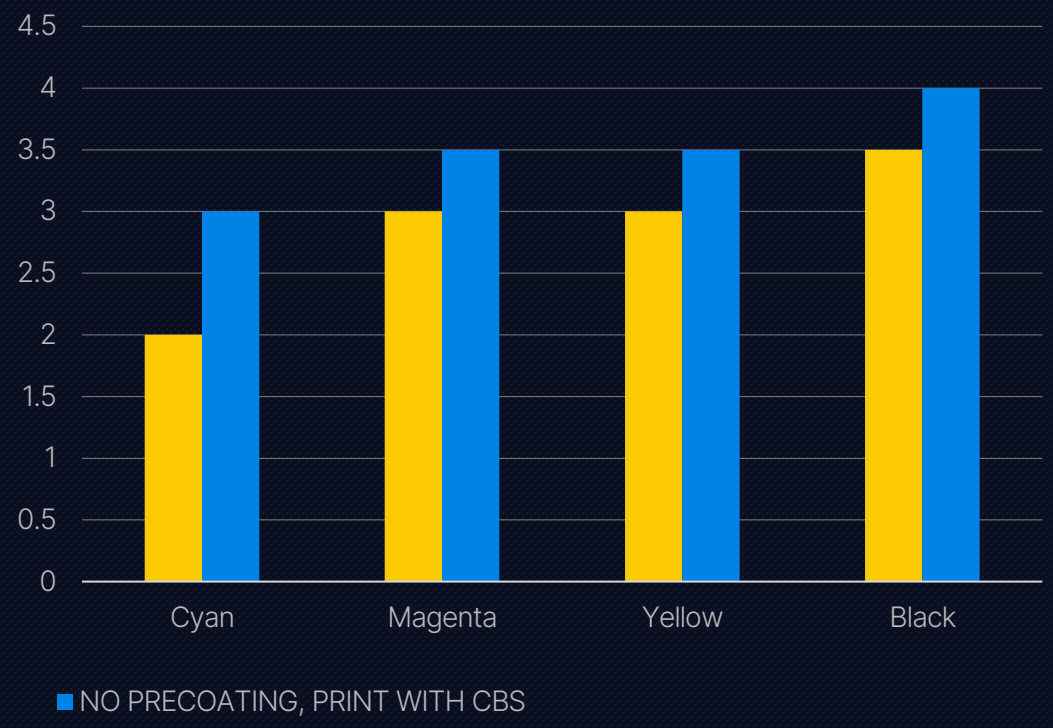


# Fastness

# TELEIOS
# OMNI PRO

Roll to Roll | In-line Fixation

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INDUSTRIAL LEVEL DIRECT TO TEXTILE PRINTER

Up to

# 70 ㎡/h

Speed

Up to

# 600 X 1,200 dpi

Resolution

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## 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 1,200dpi

**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**
70$m^2$/h

**600 X 900dpi 3pass**
52$m^2$/h

**600 X 1,200dpi 4pass**
42$m^2$/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.

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