

# APOLLON

BOOST YOUR PRODUCTIVITY





**A person who cannot  
give up anything  
can change the world**

Productivity  
Productivity  
Productivity  
Productivity  
Productivity  
Productivity  
Productivity



Consideration about

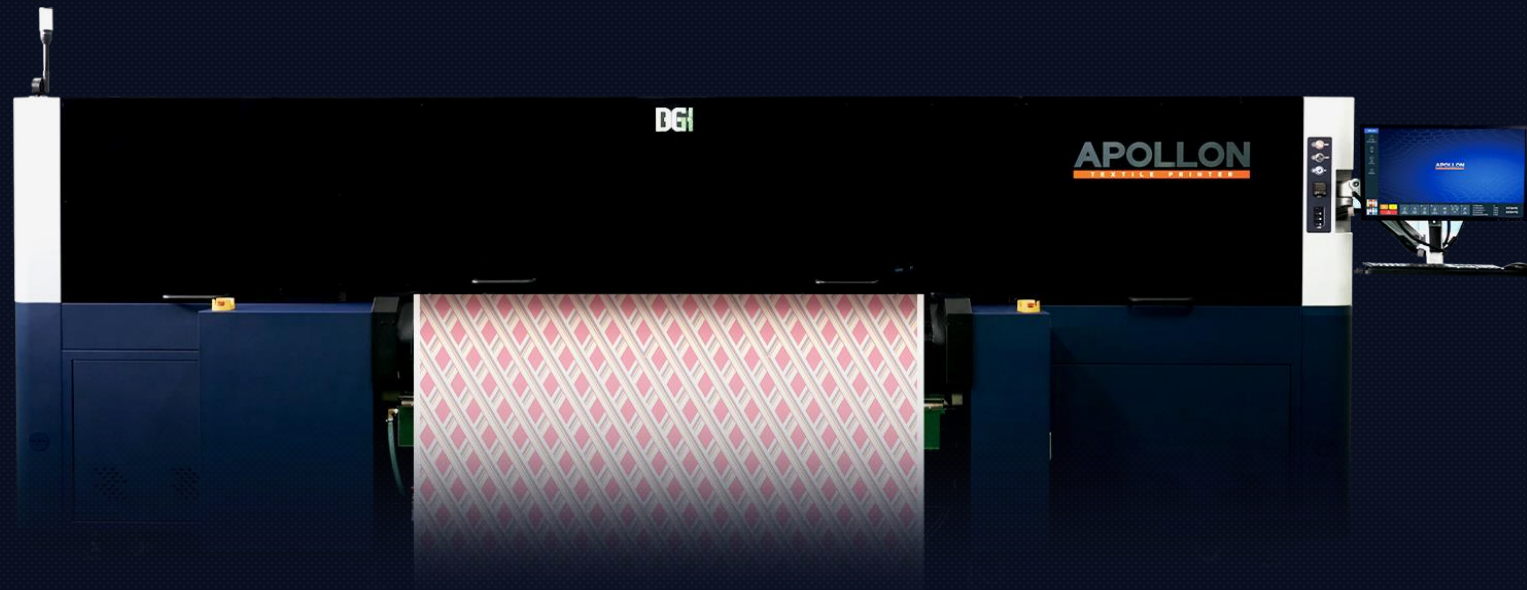
# Precision, Speed and Price

Consideration about

# Woven, Knit, and Blended

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INDUSTRIAL LEVEL DIRECT TO TEXTILE PRINTER

Up to

**335** m<sup>2</sup>/h

Speed

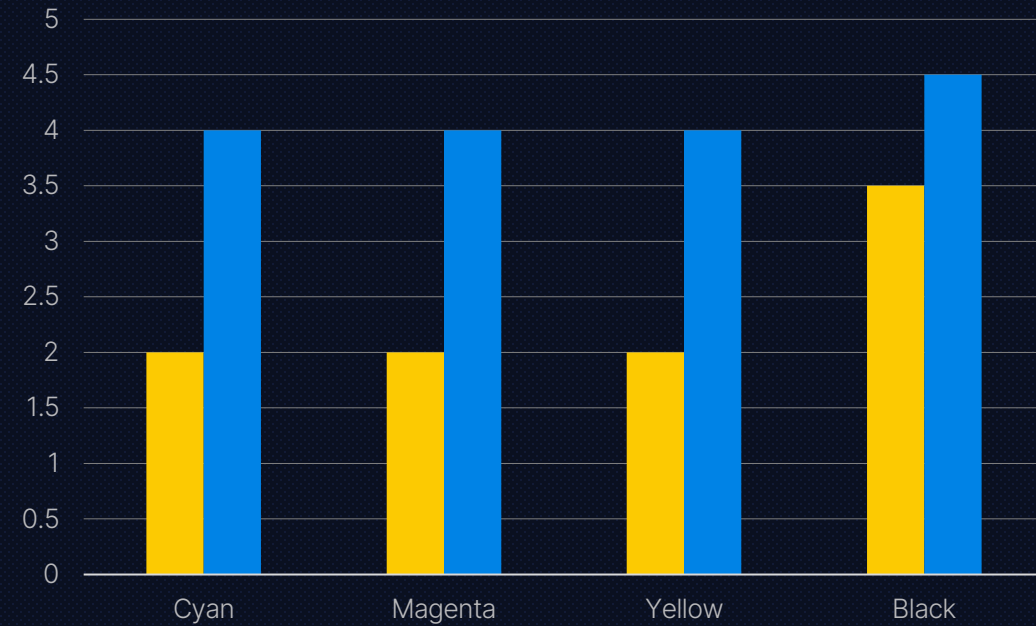
Up to

**600  
X 1,800** Dpi

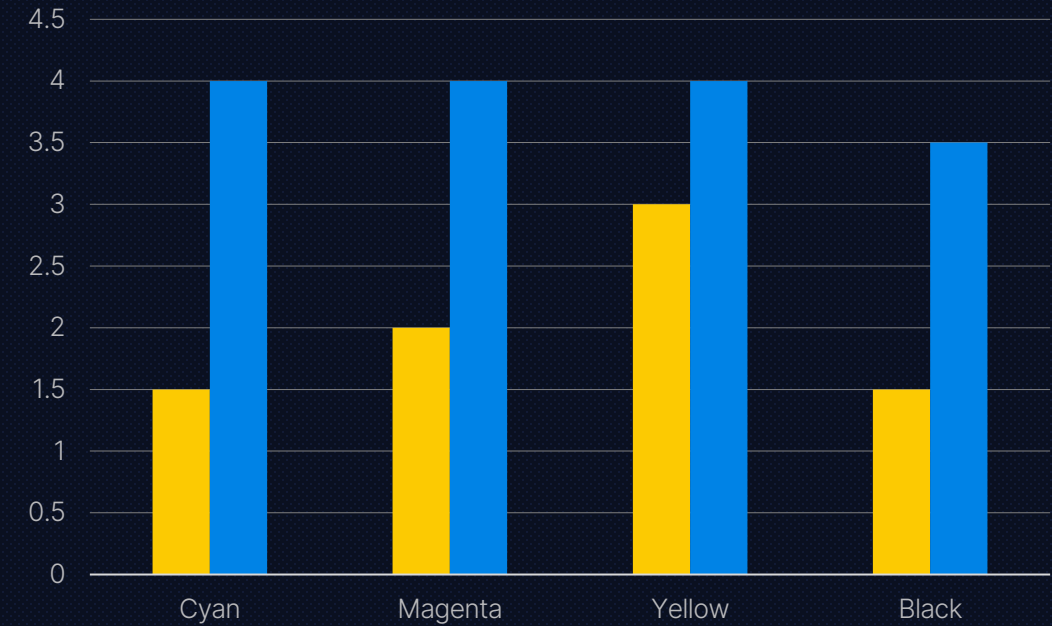
Resolution

This data is based on the specifications of the 16 head model.  
The 8 head model is also available as bespoke options.

RUB FASTNESS ACCORDING TO ISO 105-X12 (DRY)



RUB FASTNESS ACCORDING TO ISO 105-X12 (WET)



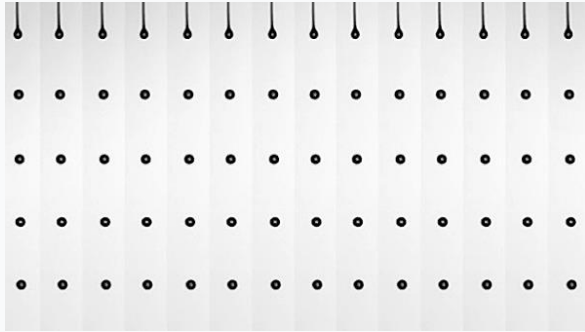
■ CONVENTIONAL PIGMENT (MARKET COMPETITOR)

■ DGI ORIGINAL PIGMENT (APOLLON)

# Colorability

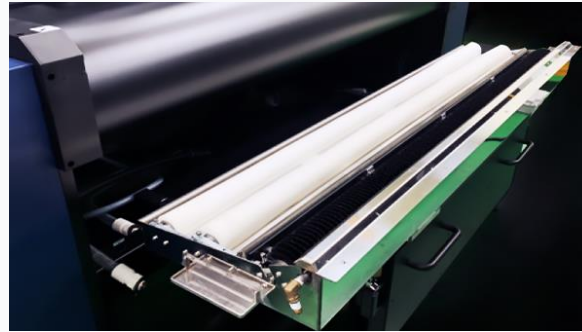


## KEY FEATURES



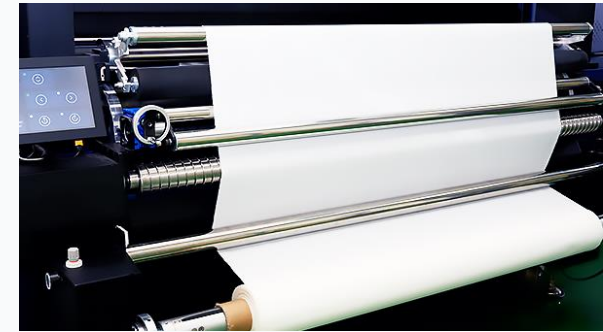
### DEDICATED WAVEFORM

The dedicated waveform developed by DGI enables a response to customers' demands for quality across various fabrics.



### DETACHABLE BELT CLEANING SYSTEM

The belt cleaning system is completely detachable, allowing for easy cleaning as well as improvement in fabric adhesion and moisture removal.



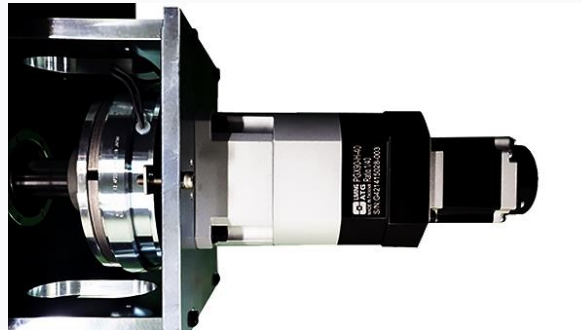
### ADVANCED TENSION CONTROL

Incorporating expansion rollers and a tension control device improves the media feeding control system, enabling more precise control.



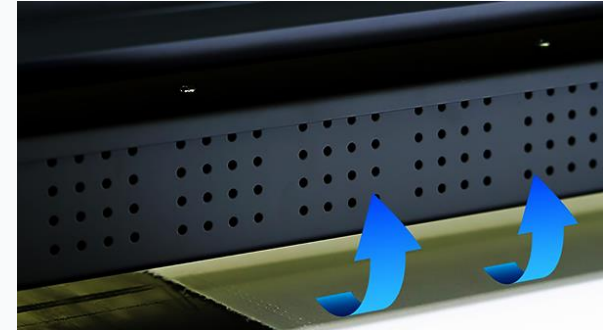
### DUAL HEAD PROTECTION SYSTEM

To prevent and minimize printhead damage, the dual protection system is incorporated, consisting of a wrinkle system and a media collision sensor.



### DUAL UNWINDER SYSTEM

For printing various fabrics, two kinds of unwinder system, including an air brake device for woven and a motor-clutch device for knit, are adopted.



### DUST REMOVAL IN MAIN BODY & HEAD CARRIAGE

Dual dust removal systems prevent contamination of both the media and peripherals by effectively removing ink and dust generated during printing.

## SPECIFICATIONS

### Printing

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#### Print Head

Kyocera, 8/16 Heads

#### Ink Type

Reactive, Pigment

#### Number of Colour

8

#### Max Printing Resolution

600 X 1,800dpi

#### Max Printing Width

1,850mm

#### Printing Mode

Bi-Direction/Uni-Direction, Normal/Interleave, DBF

### Ink

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#### Reactive

Yellow, Magenta, Cyan, Black, Or, Bl, Re, Gr

#### Pigment

Yellow, Magenta, Cyan, Black, Or, Re, Gr, Vi

#### Ink Capacity

10L

### Printing Speed

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600 X 600dpi 1pass

335m<sup>2</sup>/h

600 X 600dpi 2pass

220m<sup>2</sup>/h

600 X 1,200dpi 2pass

180m<sup>2</sup>/h

600 X 1,200dpi 4pass

120m<sup>2</sup>/h

600 X 1,800dpi 3pass

133m<sup>2</sup>/h

600 X 1,800dpi 6pass

80m<sup>2</sup>/h

## SPECIFICATIONS

### Media

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#### Media Drive

Adhesive Belt Conveyor System

#### Belt Washing

Automatic

#### Max Media Width

1,900mm

#### Max Media Load

Diameter : 400mm, Weight : 150kg

Diameter : 1,000mm, Weight : 1,000kg (Option : Jumbo Unwinder)

#### Max Media Thickness

10mm

#### Core Diameter Feeder

400mm, 1inch or 3inch

### Operational Environment

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#### Temperature

Operating: 20°C~30°C

#### Humidity

Operating: 40~70%

\* Environmental influences can affect print quality.

### Others

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#### Rip Software

Ergosoft

#### Compressed air

Minimum 5kgf/cm<sup>2</sup>

## SPECIFICATIONS

### Dimensions

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Printing Machine with Lower Heater  
5,172(W) x 2,441(D) x 1,865(H) mm

Reactive Dryer  
3,800(W) x 6,550(D) x 2,870(H) mm

Pigment Dryer  
3,764(W) x 2,200(D) x 1,730(H) mm

Jumbo Unwinder  
4,070(W) x 970(D) x 1,350(H) mm

### Weight

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Printing Machine with Lower Heater  
2,800kg

Reactive Dryer  
3,850kg

Pigment Dryer  
1,470kg

Jumbo Unwinder  
300kg

### Electricity

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Printing Machine with Lower Heater  
9.9kW, 1Φ AC 220~240V, 45A

Reactive Dryer  
48kW, 3Φ AC 380~415V, 73A

Pigment Dryer  
18.42kW, 3Φ AC 380~415V, 28A

Jumbo Unwinder  
1.5kW, 3Φ AC 380~415V, 3.74A

## 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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### DGI HEADQUARTERS

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