

# POSEIDON II

ABSOLUTELY REASONABLE



A woman with dark hair and bangs is looking intently at a large, pale yellow goldfish in an aquarium. The scene is dimly lit with a strong blue-green hue. The goldfish is positioned on the left side of the frame, facing right towards the woman. The woman's face is on the right side of the frame, looking towards the fish. The background is dark and out of focus, suggesting an indoor setting like a pet store or a home aquarium.

What else do you need?

# POSEIDON

AWARD-WINNING PRODUCT  
SGIA, Product of the year, 2019



In 2024,

# POSEIDON II

launched



The heritage of  
**POSEIDON**

**X4** SPEED



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INDUSTRIAL LEVEL DYE SUBLIMATION PRINTER

Up to

760<sub>m<sup>2</sup>/h</sub>

Speed

Up to

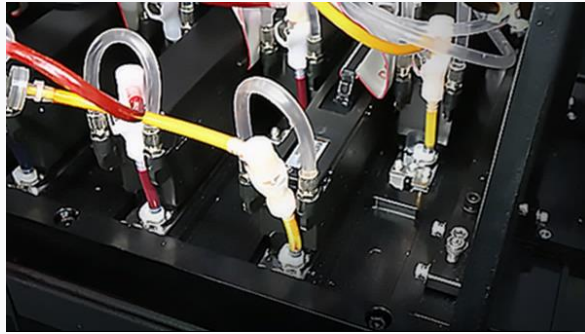
600  
X 1,800<sub>dpi</sub>

Resolution

This data is based on the specifications of the 8-head (2-stagger) model.  
The 4-head and 8-head (8-colour) models are also available as bespoke options.

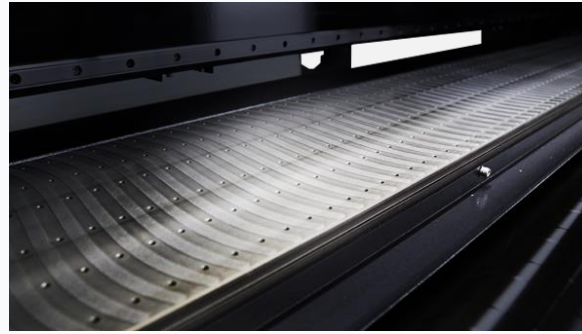


## KEY FEATURES



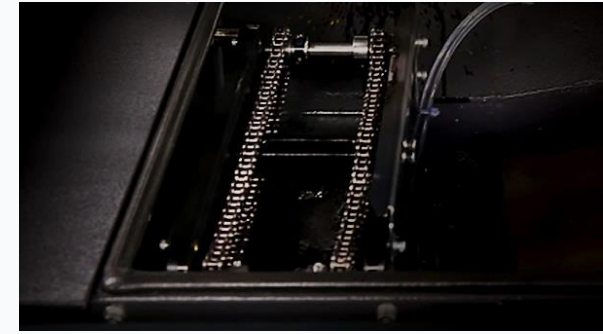
### HEAD COOLING SYSTEM

The water based head cooling system maintains the temperature of the print head to enable continuous printing and improve runability.



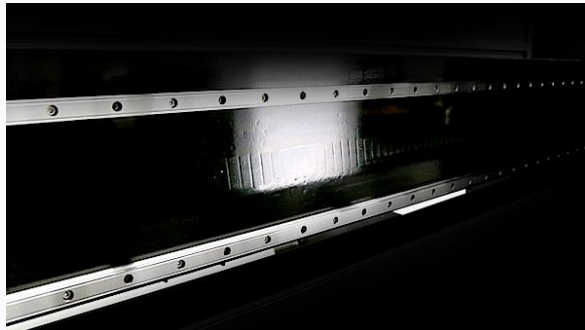
### THE INVENTIVE S-SHAPED SUCTION PLATE

A new suction system has been implemented to minimize cockling issues that may occur when using a large amount of ink on low-weight transfer paper.



### NEWLY DESIGNED WIPING SYSTEM

The chain wiping and automatic water flushing system maintain optimal blade conditions, thereby eliminating the need for operators to clean the printhead blades.



### 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.



### JUMBO ROLL UNWINDING SYSTEM

The jumbo roll unwinding system has a loading capacity that can support a maximum paper diameter of 800mm and a maximum weight of 700kg.  
(\*Optional)



### BULK TYPE INK REFILL SYSTEM (10L)

The bulk type Ink system, which is very simple and accessible, is designed for ink refilling, even during printing, to enable mass printing.



## SPECIFICATIONS

### Printing

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#### Print Head

Kyocera, 4/8 Heads

#### Ink Type

Water Based Dye Sublimation  
Water Based Graphic Pigment

#### Number of Colour

4 / 8

#### Max Printing Resolution

600 X 1,800dpi

#### Max Printing Width

1,820mm

#### Printing Mode

Bi-Direction/Uni-Direction

### Ink

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#### Water Based Dye Sublimation (4 Colour)

Yellow, Magenta, Cyan, Black

#### Water Based Dye Sublimation (8 Colour)

Yellow, Magenta, Cyan, Black  
Lc, Lm, Fm, Fy

#### Water Based Graphic Pigment (4 Colour)

Yellow, Magenta, Cyan, Black

#### Ink Capacity

10L

### Printing Speed

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300 X 600dpi 1pass

760m<sup>2</sup>/h

600 X 600dpi 1pass

500m<sup>2</sup>/h

300 X 1,200dpi 2pass

350m<sup>2</sup>/h

508 X 1,200dpi 2pass

280m<sup>2</sup>/h

600 X 1,800dpi 3pass

155m<sup>2</sup>/h

## SPECIFICATIONS

### Media

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#### Media Drive

Roll to Roll

#### Max Media Width

1,850mm

#### Max Media Load

Diameter : 300mm, Weight : 200kg (Unwinder)

Diameter : 300mm, Weight : 200kg (Winder)

#### Max Media Load (Optional)

Diameter : 800mm, Weight : 700kg (Unwinder)

Diameter : 400mm, Weight : 300kg (Winder)

#### Core Diameter Feeder

200mm, 3inch

### Operational Environment

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#### Temperature

Operating: 22°C~28°C

#### Humidity

Operating: 55~70%

\* 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

3,600(W) x 2,500(D) x 2,450(H) mm

### Weight

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#### Printing Machine

2,000kg

### Electricity

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#### Printing Machine

14kW, 3Φ AC 380~415V, 21.3A

## 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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