

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 and cyan color cast. 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, with some blurred lights.

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_{m²/h}

Speed

Up to

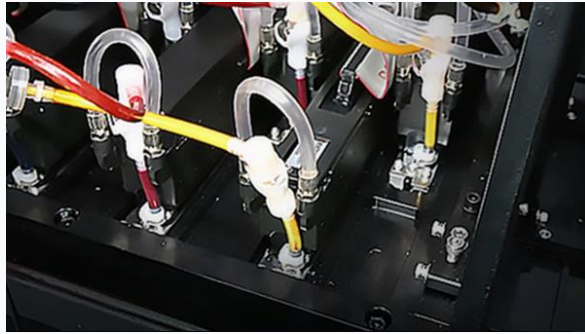
600
X 1,800_{dpi}

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.

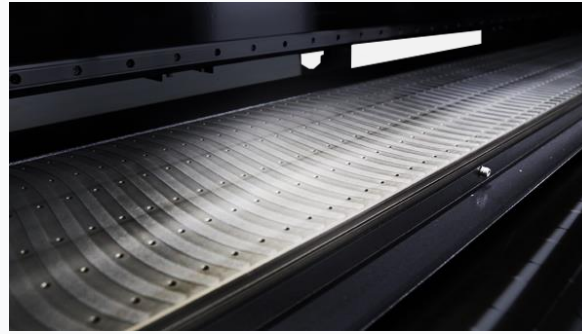


KEY FEATURES



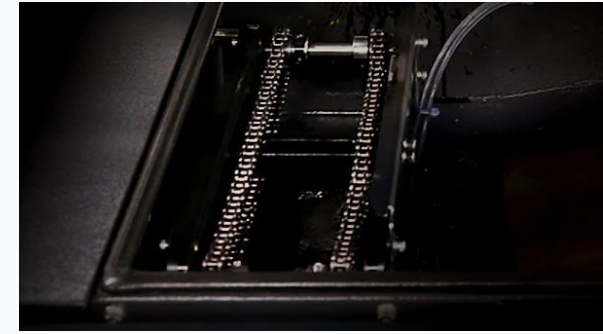
HEAD COOLING SYSTEM

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



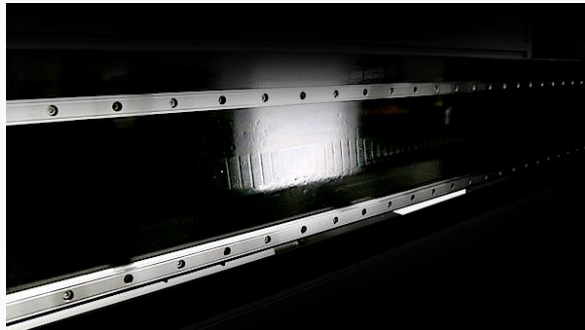
THE INVENTIVE S-SHAPED SUCTION PLATE

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

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

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

300 X 600dpi 1pass

760m²/h

600 X 600dpi 1pass

500m²/h

300 X 1,200dpi 2pass

350m²/h

508 X 1,200dpi 2pass

280m²/h

600 X 1,800dpi 3pass

155m²/h

SPECIFICATIONS

Media

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

Temperature

Operating: 22°C~28°C

Humidity

Operating: 55~70%

* Environmental influences can affect print quality.

Others

Rip Software

Ergosoft

Compressed air

Minimum 5kgf/cm²

SPECIFICATIONS

Dimensions

Printing Machine

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

Weight

Printing Machine

2,000kg

Electricity

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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