The Eagle

UV Led series

UV

eagleuvled.com

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The latest technologies at your service

The Eagle, unlike normal printers, was created to answer to industrial needs of flexible and high quality prints without reduce the output volumes.
The Eagle versatility comes from the **variable height up to 250mm, the unique design** and the high performance UV Led inks that allow to print on almost any material even heat sensitive ones.

The piezoelectric print head is equipped with a **double water cooled UV Led lamp** to cure the ink during the print without further processing, saving time, money and increasing the output.

Every Eagle can be customized to suit the customer needs like the Eagle Line that detect automatically the objects to print realizing prints with an accurate and constant positioning making it perfect to create a continuous printing line.

Eagle Line

To extend the quality and versatility of Eagle to customer who needs large print area we have developed the **XL version of Eagle** with a print width of 700 or 1300mm while the print length is customizable from 2,5 to 5 meters.

The printers remote management via tablet allows you to get an overview of the printer status and be able to perform routine management tasks without the need to physically visit the printer.

PHPC system produces uniform prints and ensures that the head installed in the printer is protected from strikes by constantly checking the position.

IRS is an innovative system that allows your machine to improve performance through a constant recirculation of white ink that prevents creation of sediment and clogging of the nozzles in the head after long periods of inactivity.

New printheads

The new print heads have a better performance, they last longer, thanks to the mirror treatment to prevent the deposit of color and clogging of the print nozzles. Each of the 8 channel has 180 nozzle to reach an optimal coverage even at highest speeds, furthermore the new Eagle print heads can print with variable dot size delivering smooth gradations, vibrant colors, a wider color gamut and better prints.

Other printhead

Eagle printhead

The Eagle UV Led inks

The inks are very important for any printers. Without a quality ink the printer can't produce high quality prints.
The Eagle has a dedicated UV Led ink that enable the printer to reach photographic quality, with a great color gamut and bright colors.
The ink also is resistant to weather and wearing, allowing their use in any surface even those that will be exposed to weathering ensuring a duration of many years.
The Eagle adopt an open ink system to reduce costs and maintenance; all the inks are on bottles under pressure to avoid air bubbles on the system while the white ink is under constant recirculation to avoid the sedimentation and print head clog.

WHITERIP - Professional software RIP

A software RIP is very important for an industrial printer like The Eagle, in fact it can manage color profiles and offer optimizations to save time and inks.
The Eagle is equipped with the professional RIP software WhiteRIP with specific functions for industrial object printing to increase output and reduce print time like the completely automatic and optimized white base generation and the print with template.

Optimized whitebase generation

The template function allow to virtually split the table in smaller area named 'panels' to print with a precise and constant positioning. You can easily fill all the panels with the desired images and positions reducing time for preparation of the graphics and reducing wastes of ink and materials due to poor positioning and positioning tests.
Another function of WhiteRIP that help increase output is the **Inline printing function**. This printing mode split actually the print head, the first part will print only the white ink and the second part will print only the colors. This allow to have the white ink base separated from the color layer avoiding white and colors to mix together, giving bright colors and **halving the print time**.

Wing design

This innovative design allow to have three sides completely open that can be used to load and unload the table.
You can remove printed objects and reload the table while the machine is still printing and it's particularly useful when you need to load bulky objects on the print table.

The wing design also allow to load material larger than the print table.

Applications

With the UV Led technology The Eagle printers can print on almost all materials.
You can produce high quality print on a huge variety of materials and objects.

- Print on wood, plastic, ceramic, paper, metals and many others materials

- Print on rigid and flexible supports

- Create samples that will be identical to production

- Use gloss ink to valorize a part of the graphic or to uniform finish your print

- Print awesome images: the variable dot print head can produce high definition and smooth gradients

- Print color-white-color for two sided images on glass or other transparent materials

- Optional circular object kit to print on cilyndrical objects

- Print with 3D or braille effects

Bottles

Gadgets

Packaging

Industrial

Promotional

Banners, advertising displays

Glossy effects

3D effects

The Eagle optionals

Customization and integration with automations
If your production workflow needs particular operation or you have particular needs for loading and unloading the table we can integrate the Eagle to fully fit your needs.

Vacuum table
The Eagle printers can be equipped with vacumm table that hold the light materials to the print table.
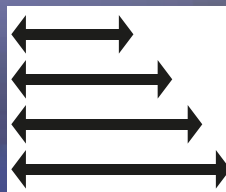On the XL models vacuum and blowing table is included as standard.

Retractable Square
The square optional allow to put object in perfect alignment with the print table in a few seconds.
The square is completely retractable to not be an obstacle when loading the table with large objects or sheets.

Customizable table length
Now you can have the versatility and quality of the Eagle printers with the size that suits your large format printing needs.
Only on the Eagle XL you can customize the print table length from 2,5 to 5 meters.

Circular object kit
The circular object kit is easy to mount and allow you to print on a new type of object, without the need to buy new equipment. There are no difference between the flat and the circular object in the printing process: you just put up the kit and load the item to print, then you go just like any other print.

Technical data

Version	Eagle UV 50	Eagle UV 70	Eagle UV 130	Eagle Line UV 70/130	Eagle XL UV 70/130	Eagle UV S 70/130
Printing technology	Inkjet piezoeletric 8 channel printhead					Multihead technology up to 4 printheads
Resolution — min	360 dpi					
Resolution — max	1440 dpi					
Max. printable area — width	700mm		1300mm	700 / 1300mm	700mm / 1300mm	700mm / 1300mm
Max. printable area — length	500mm	1500mm	1500mm	-	customizable from 2,5 to 5 meters	-
Table size — width	750mm		1360mm	700 / 1300mm	750 / 1350mm	customizable
Table size — length	550mm	1650mm	1650mm	1500mm	customizable	customizable
Max material thickness	250mm					
Table capacity*	25Kg*	100Kg*	150kg*	80kg / 150kg*	120kg / 150kg*	80kg / 150kg*
Inks	DPI UV					
Color configurations	2xCMYK - CMYK WWWW - CMYK WWGIGI					from 16 to 32 configurable channels
Interfaces	Ethernet					
Power Supply	AC 240V 50/60Hz					
Consumption	1000W		1800W	800W	2400W	Up to 2500W
Operating Environment	20-25° Humidity 35-80% without condensation					
Vacuum table	Optional				Si	Optional
Blower table	No	Optional	No		Si	Optional
Optionals	Vacuum table, rotary system, costumization, integration with automations	Vacuum/blowing table, rotary system, costumization, integration with automations	Vacuum belt, rotary system, costumization, integration with automations		Rotary system, costumization, integration with automations	Vacuum/blowing table, rotary system, costumization, integration with automations

* weight evenly distributed

Our services

DPI training center

In order to offer its customers a complete assistance service, DPI DG PRINTING organizes technical training courses at its headquarters, an opportunity to learn in depth the potential of your machine and be able to quickly make the most of its characteristics.

DPI Assistance

The support service is a valuable tool to receive all-round assistance. In order to benefit from it, it's sufficient to connect to our website and request a subscription to the service by filling a web form.

Creative Lab

Our exhibition area, where imagination and creativity reign supreme, is a place where you can actually realize the potential of our machines and see what is possible to create with them. Our show starts here.

Dealer:

Dpi Dg Printing S.r.l
Via Emilio Salgari 14/e - 31056 Roncade (TV) - Italy
Phone +39 (0)422 798493 - Fax. +39 (0)422 799711
e-mail: sales@dpidgprinting.com   - Website: dpidgprinting.com

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