

EBS-1500 Large-Character Inkjet Printer



modular . industrial

The EBS-1500 system allows up to 6 printheads to be driven by one controller to print onto virtually any surface, porous or non-porous, pale or dark coloured.

Electromagnetic printhead technology allows the use of very fast-drying inks without the risk of the printhead clogging making the EBS-1500 ideal for printing onto metals, plastics and other non-porous surfaces.

Flexibility is at the forefront of the EBS-1500 system design with a choice of 5 different printhead sizes from 11 to 115mm high and the ability to drive 6 printheads from a single controller.



wide choice of inks

The EBS-1500 can print using a wide range of inks including fast-drying inks for non-porous surfaces such as plastics and metals, high-contrast pigmented inks suitable for printing onto dark-coloured products, UV-fluorescing ink and food-grade inks.

A choice of 1-litre and 5-litre ink systems is available for dye-based inks and a 1-litre circulating ink system is used for pigmented inks to prevent the pigment from settling in the ink container.



custom printhead brackets

Martek produces custom brackets to ensure optimum print quality on irregular shaped products or products with inconsistent position.

Spring-loaded brackets allow EBS-1500 printheads to follow the shape of the product keeping the nozzles close to the product for clear, sharp printing.

Automatic traversing systems enable products to be printed whilst stationary.



Specification

Controllers:	1502 - 1 or 2 printheads 1506 - up to 6 printheads	Ink colours:	Black, white, yellow, dark blue, light blue, green, UV-fluorescing, food-grade blue, food-grade brown
Printheads:	7-dot (11mm), 16-dot (27mm), 25-dot (43mm), 32-dot (56mm), 64-dot (115mm)	Ink container:	1-litre or 5-litre
Nozzle size:	150 microns (80, 100, 200 optional)	Ink consumption:	2,000,000 chrs/litre (11mm high)
Print size:	6 to 115mm depending on printhead	Shaft encoder:	Optional for variable speed lines
Print direction:	Any direction	Operating temperature:	+5 to +40°C
Message storage:	1,024 messages	Humidity:	Up to 95% non-condensing
Graphics:	Built-in graphics editor	Electrical supply:	100-240Vac @ 50-60Hz, 700W
Variable data:	Date, time, offset date, serial numbers	Compressed air:	6 bar, clean and dry
Print speed:	Up to 60m/min depending on message		
Ink types:	Water, ethanol, acetone and MEK-based		