# EBS-1600 PicAS®-II Industrial Inkjet Printers

MARTEK INDUSTRIES

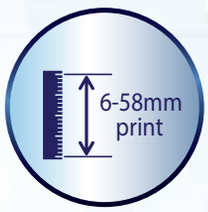
EBS® Ink-Jet Systeme

## industrial large-character printers

The laterst generation EBS-1600 PicAS®-II printers combine EBS' proven electrome-chanical printhead technology with a large 10.1" touchscreen controller to provide a simple-to-use, reliable industrial solution for marking porous and non-porous materials.

Text including real time data (time, date, sequential numbers), simple graphics, 2D codes and barcodes can be printed onto plastics, metals, timber, cardboard and many other materials..

**cardboard - wood - metal - plastics - foam ...**




Choice of 6 printheads allows print heights from 6 to 58mm

## intuitive touchscreen controller

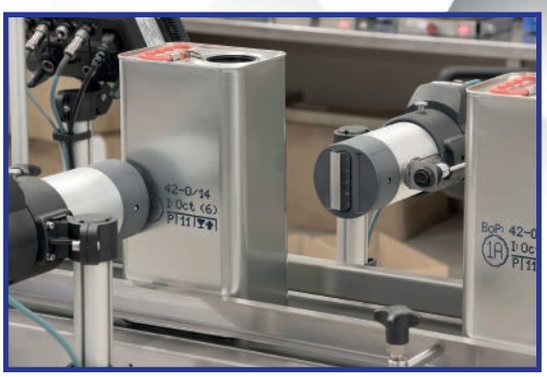
The EBS-1600 10.1" colour TTF touchscreen controller provides a simple-to-use interface to create and edit print messages, monitor and control the system.

A shaft encoder input allows print speed to be synchronised to the conveyor line speed for variable speed lines and start-stop operations.

## quick-change, clean cartridge system

High-capacity, self-pressurised 1-litre and 500ml ink cartridges are quickly and easily changed by simply screwing onto the back of the printhead with no need for ink lines or compressed air.

Cleaing cartridges also provide a convenient solution for flushing the printhead for ease of maintenance.



Heavy-duty industrial build quality

## Specification

| | |
|---|---|
| **Print technology:** | Electromechanical |
| **Print height:** | 6 to 58mm |
| **Printheads:** | 7N/13 - 7 dots (13mm max)<br>7N/24 - 7 dots (24mm max)<br>16N/29 - 16 dots (29mm max)<br>16N/56 - 16 dots (56mm max)<br>32N/58 - 32 dots (58mm max) |
| **Max. print speed:** | Up to 200m/min depending on printhead |
| **Slant angles:** | 5 (reduces print height & increases density) |
| **Nozzle diameter:** | 150µm (7N/13, 16N/26 and 32N/58)<br>170µm (7N/24 and 16N/56) |
| **IP rating:** | Printheads IP55, controller IP54 |
| **Print direction:** | Any |

| | |
|---|---|
| **Touchscreen:** | 10.1" colour TFT |
| **Memory:** | 1Gb |
| **Variable fields:** | Date/time, shift code, sequential no. |
| **Database:** | Text file |
| **External data:** | Via Ethernet port |
| **Graphics:** | Simple graphics and shapes |
| **Fonts:** | EBS matrix and TrueType TTF, PCF, BDF |
| **Barcodes:** | All common 1D and 2D codes |
| **Ink types:** | Ethanol, acetone and MEK-based black |
| **Synchronisation:** | Fixed speed or external encoder |
| **Cartridge size:** | 500ml and 1-litre |
| **Power supply:** | 100-240Vac @ 50-60Hz |
| **Weight:** | 7.6Kg incl. 1-litre ink cartridge |

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