

## mprint - SP2 - 100

### CODING & MARKING

**Company:** mprint

**Market:** Digital overprinting for packaging, industrial, automotive and medical markets

**Product:** SP2 100

**Xaar Printhead:** Xaar 1001

**Key Features:**

- Prints excellent quality text and graphics onto flat and 3-D objects up to 250mm high
- High degree of flexibility enabling ad-hoc print runs and personalisation on-demand
- Non-contact printing process ensures product protection

**Website:** [www.mprint.biz](http://www.mprint.biz)



### The full colour, variable graphic mprint SP2 100 digital overprint inkjet printer

**mprint, a specialist manufacturer of pad printing machines and thermal transfer printers, introduced its first UV digital inkjet printer - the mprint SP2 100 - in 2009. Featuring the Xaar 1001 greyscale printhead, the mprint SP2 100 is designed to quickly and economically print variable designs onto a wide range of promotional items, as well as industrial parts for automotive, medical and other applications.**

**The Situation**

The full-colour (CMYK + white or spot colour) SP2 100 system prints excellent quality text and graphics onto both flat and 3-D objects up to 250mm in height. Compared with traditional methods, the productivity of the single-pass mprint SP2 100 is high. It can print up to 400mm/second over a scalable width from 70mm to 250mm. Inkjet printing gives a high degree of flexibility enabling ad-hoc print runs and

personalisation on-demand, while the non-contact printing process ensures product protection. The additional print unit for pre-printing opaque white enables vivid colour prints on dark or coloured substrates.

**The Xaar Solution**

The piezo-electric design of the Xaar 1001 is ideal for this application, as the printhead has very high drop placement accuracy and can reliably print onto a wide variety of surfaces and materials. Its unique features, including Xaar's patented Hybrid Side-Shooter (HSS)™ architecture with TF Technology™, ensures consistent and reliable operation using UV inks.

**What they Say**

"Digital printing techniques bring considerable benefits and the flexibility of the Xaar technology means we can easily customise solutions for specific applications," explains Michael Morlock, Managing Director, mprint.

