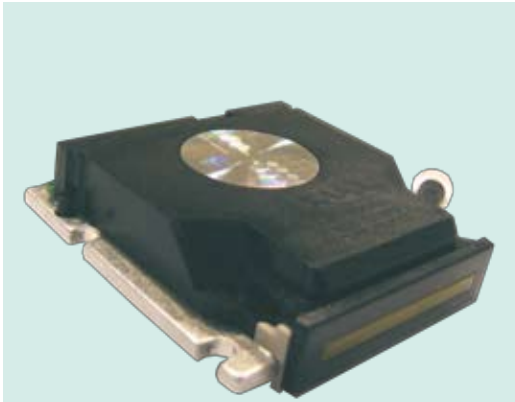


## Xaar 128



### XAAR TECHNOLOGY

Xaar is a world leader in the development and manufacture of piezoelectric drop-on-demand inkjet technologies. Its patented shear mode, shared wall technology incorporates low power modulation and unique acoustic waveforms to deliver exceptionally low levels of internal mechanical stress, resulting in an unsurpassed consistency of quality, reliability and printhead life.

### APPLICATIONS

The versatile Xaar 128 printhead is extensively utilised for a diverse range of applications across the coding and marking and wide-format graphics industries. Whether it's outdoor graphics, or meeting the higher quality demands of the indoor graphics industry, the Xaar 128 technology will deliver image perfect results.

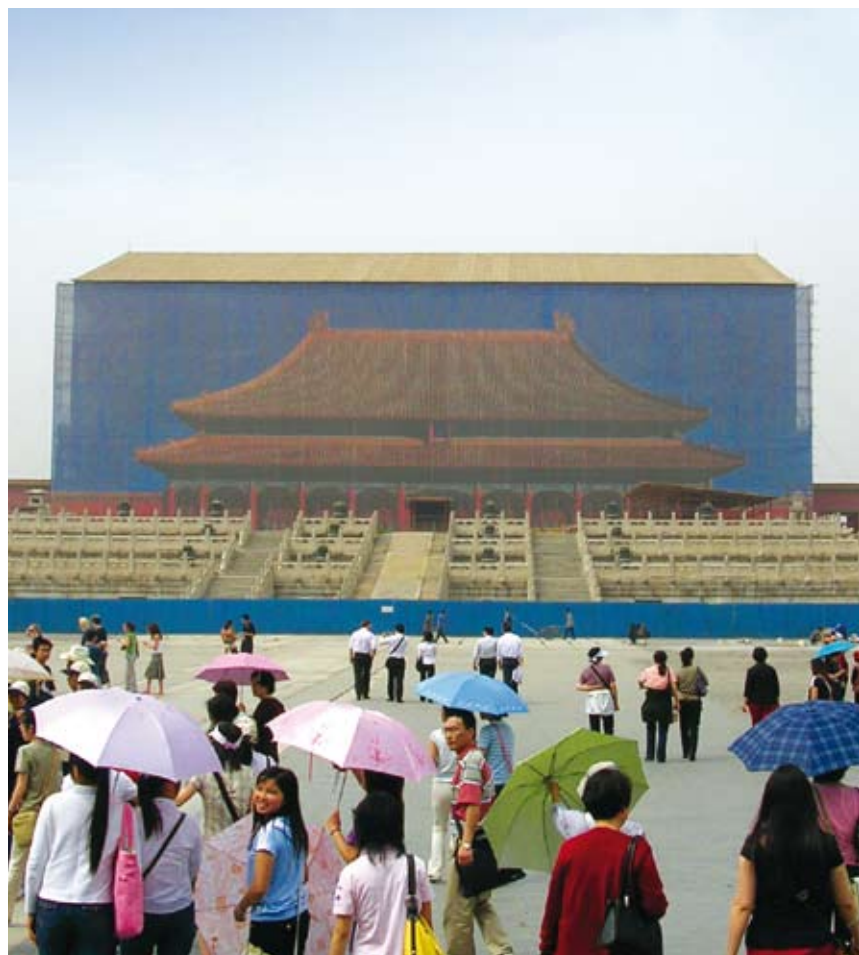
### INKS AND FLUIDS

Xaar partners with market-leading ink manufacturers to develop high quality ink solutions for its printheads. The Xaar 128 is compatible with a wide array of approved oil-based, solvent and dye sublimation inks.

## INDUSTRY STANDARD

Recognised throughout the graphic arts and industrial sectors as the leader, the Xaar 128 printhead has become the defacto standard and is without equal when it comes to quality, ease of integration, reliability and speed.

Its proven track record of adaptability across multiple market sectors makes it the perfect piezo inkjet drop-on-demand technology for those in both traditional and emerging markets who want a cost efficient, consistent and highly flexible inkjet solution to produce eye-catching marketing media.



**XAAR**<sup>®</sup>

### LIGHT AND POWERFUL

With a compact footprint, light carriage and weighing only 15.5g, the agile Xaar 128 is ideal for applications where weight is a key factor to design.

Offering 40pl to 80pl drop sizes and a firing frequency of up to 8.3 kHz, this printhead provides a solid, reliable workhorse solution for the market.

### EASY INTEGRATION

Specifically engineered with a simple electronic interface, the Xaar 128 promotes quick and easy integration into OEM applications making it the ideal choice for those wanting to enter into a variety of markets. The printhead is compatible with an extensive range of oil-based, solvent and dye sublimation inks, again offering the user increased choice.

### THE MARKET LEADER

The Xaar 128 provides a fast, and critically, cost efficient route to market for both suppliers of digital inkjet technology and those wishing to move into inkjet technology to generate additional revenue streams for their existing business.

Physical Attributes	Xaar 128/80	Xaar 128/80-W	Xaar 128/40	Xaar 128/40-W	Unit
Colour of insulator					—
Active nozzles	128	128	128	128	—
Print swathe width	17.4	17.4	17.4	17.4	mm
Nozzle pitch	137.1	137.1	137.1	137.1	$\mu\text{m}$
Nozzle density (nozzles per inch)	185	185	185	185	npi
Drop velocity *	5	5	7	6	m/s
Printhead weight (dry)	15.5	15.5	15.5	15.5	g
Dimensions (WxDxH)	37.2x40.8x11.3	37.2x40.8x11.3	37.2x40.8x11.3	37.2x40.8x11.3	mm
Ink type	Approved range **	Approved range **	Approved range **	Approved range **	—
<b>Binary</b>					
Drop volume *	80	80	40	40	pl
Typical firing frequency *	4.25	5.5	5.5	8.3	kHz

\* Dependent on ink used and system integration.

\*\* A wide range of approved fluids are available.



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