



# Xaar Irix

## Print with confidence

**Powered by ImagineX, the Xaar Irix delivers exceptional print quality, is simple to use as well as being a robust, and highly reliable printhead, meaning you can print with confidence.**

### **Print accurately**

Produce excellent print quality thanks to the highly accurate drop placement and drop uniformity of the Xaar Irix, even at long print distances:

- Nozzles are individually lasered and optimised for drop placement using Xaar's latest manufacturing techniques
- Xaar's AcuDrp Technology calibrates each nozzle for drop volume and velocity, giving uniform print quality across each and every printhead
- Drive signal tuned for optimal performance, regardless of fluid type.

### **Print reliably**

Print every drop of every image reliably, the first time and every time, giving you more production uptime, even in harsh environments.

- Enhanced factory calibration for more consistent printing across different images and fluids, makes a wider operating window possible
- Highly accurate drop placement enables printing at longer print distances, reducing the likelihood of media clashes
- Simple and robust architecture for instant priming and reliable printing in vertical, horizontal or skyscraper modes.

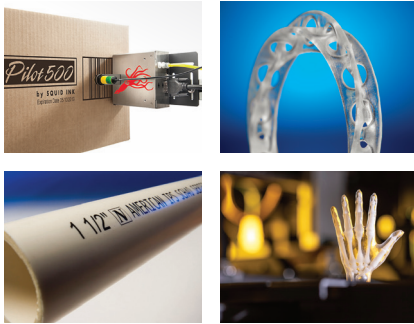
### **Print easily**

Get printing with ease with the Xaar Irix which offers a fast and cost-effective route to market for anyone wishing to move into inkjet technology.

- Long-life, low-cost, non-disposable printhead, reducing the environmental impact of manufacturing, while minimising the need for replacement units and service visits
- Compact and lightweight, with a 17mm print width and a mass of just under 16g, the Xaar Irix is a popular choice for a wide variety of print engine configurations
- Simple fluid and electrical connections for easy integration, fast start up and straightforward maintenance.

## Applications

Coding and marking  
Functional fluids  
Graphics  
Product printing  
3D printing



## Approved inks

Compatible with an extensive range of oil and solvent-based inks, offering a high degree of choice to the user.

We can supply a range of inks that have been approved for use with the Xaar Irix.

### Xaar Irix Core

For print applications using oil or solvent-based inks, such as Coding & Marking and Functional Fluids.

### Xaar Irix Pro

For more demanding applications where print quality is paramount, such as Product Printing and 3D Printing.

### Product configurator

	Xaar Irix Core		Xaar Irix Pro	
<b>Features</b>				
Nozzle optimisation	•		•	
Xaar AcuChp	•		•	
Xaar AcuDrp			•	
<b>Optional extra</b>				
Product customisation			•	
<b>Ink compatibility</b>				
Oil based	•		•	
Solvent based	•		•	
<b>Physical</b>				
Active nozzles	128		128	
Nozzle density (NPI)	185		185	
Print swathe (mm)	17		17	
Dimensions (mm)	37.2 x 11.3 x 40.8		37.2 x 11.3 x 40.8	
Mass (g)	15.5		15.5	
<b>Performance</b>				
Colour of insulator	Grey	Purple	Grey	Purple
Drop size (pL)	40	80	40	80
Drop velocity (m/s)	6	5	6	5
Max frequency (kHz)	8.3	5.5	8.3	5.5
Liner speed (m/s @ 180 DPI)	1.17	0.78	1.17	0.78
Print distance (mm)	<5	<5	<10	<10
<b>Dot accuracy</b>				
Max angular deviation (degrees)	0.7	1	0.7	1
<b>Print uniformity</b>				
Drop velocity variation 3σ (m/s)	+/- 0.50	+/- 0.50	+/- 0.10	+/- 0.10