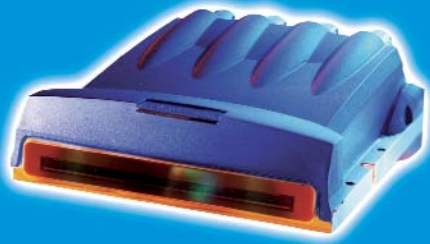


# XJ500/ 180 CM



## High Performance Inkjet Printhead

Offering an 80% increase in throughput speed over the standard XJ500/180 and maintaining the 70mm, 500 nozzle print swathe and the same control electronics, the XJ500/180 CM provides backwards compatibility for existing applications as well as opening up new exciting opportunities.

### Increased Speed

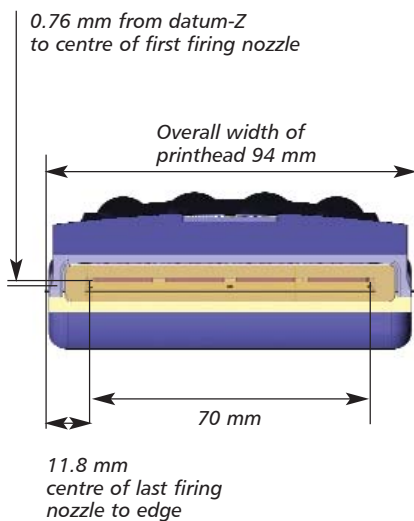
With a large print swathe and an industrial level firing frequency, the XJ500/180 CM is capable of delivering 1 m/s linear print speed at 180 x 180dpi configuration print resolution. Harnessing Xaar's patented drop-on-demand technology the XJ500/180 CM makes producing quality images from inkjet a fast and efficient reality.

### Advanced

Building on Xaar's shear mode shared wall technology, which enables a high native print resolution, the XJ500/180 CM is furnished with specialized control logic and electronics to provide flexible control and tuning for inks with different characteristics. The printhead is mounted on a precision chassis with datums on three planes so it can be easily positioned in most orientations.

### Applications

The XJ 500/180 CM has been developed as an enhancement to the XJ500 range of printheads primarily for coding and marking customers.



## Product Specification

Parameter	XJ500-180	Unit
<b>Quality</b>		
Printhead resolution	180	dpi
Channel resolution	180	dpi
Typical drop volume <sup>1</sup>	75	pL
Drop velocity <sup>2</sup>	6.0	m/s
Typical drop placement accuracy	1.0	degrees
<b>Speed</b>		
Max fire frequency	7.2	kHz
Linear speed <sup>3</sup>	1000	mm/s
<b>Physical</b>		
Dimensions	110mm D x 94mm W x 39.7mm H	
Print swathe width	70	mm
No. of addressable channels	500	
Head weight (dry)	290	g
Optimal print distance <sup>4</sup>	1	mm

Ink	Oil
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1. Achieved using oil based ink
2. Drop velocity is ink and system dependant
3. At specified print resolution
4. Print distance specified is from nozzle plate. Print quality beyond that distance recommended, will vary.



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