

Xaar Printhead Matrix

Physical Attributes	Unit	Xaar 126	Xaar 128	Xaar Electron	Xaar 318	Xaar Proton	Xaar 500	Xaar 1001
Active nozzles	—	126	128	128	318	382	500	1000
Print swathe width	mm	17.2	17.4	17.4	53.6	53.7	70.5	70.5
Nozzle pitch	μm	137.3	137.3	137.3	169	141	141	70.5
Nozzle density (nozzles per inch)	npi	185	185	185	150	180	180	360
Typical firing frequency	kHz	9, 7.5, 5.2*	8.3, 5.5, 4.25*	7	6.2	9.5, 7.0*	8.0, 4.0, 7.2*	6
Drop velocity *	m/s	6	5, 6*	5	9-11*	5	6,7*	6
Printhead weight (dry)	g	22	15.5	15.5	136	120	290	122
Dimensions: Width Depth Height	mm	45 13 43	38 12 41	38 12 41	86 23 75	86 21 75	95 41 110	125 31 61
Fluid types	—	Solvent UV Oil-based	Solvent Oil-based	Solvent UV** Oil-based**	UV Oil-based	Solvent UV Oil-based**	Solvent UV Oil-based	Solvent UV Oil-based Specialist fluids
Drop volume * Sub-drop Volume	pl	35, 50, 80	40, 80*	70	42 6	35, 60	40, 80, 80(CM)*	42 6
Firing Mode Grey levels	—	Binary	Binary	Binary	Greyscale 8	Binary	Binary	Greyscale 8

* Dependent upon printhead model & ink type ** Awaiting final approval

