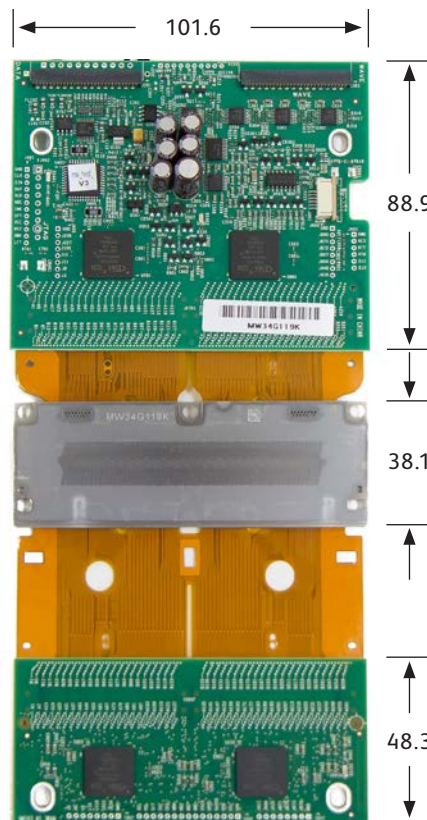


Xerox® M1 / M2 / M4 Industrial Inkjet Jetstack

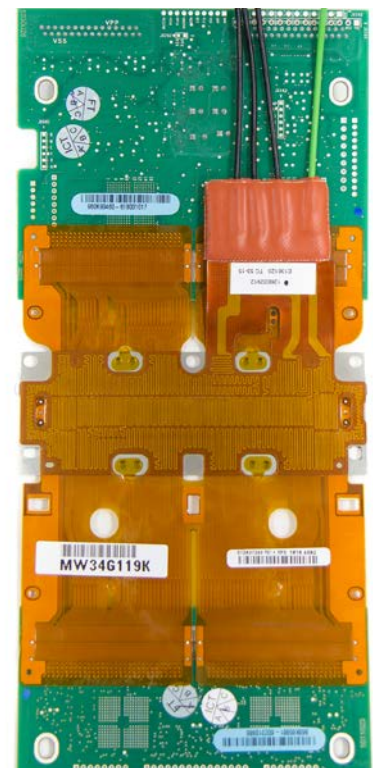
With nearly half a million units produced and delivered to customers, the proven stainless steel construction of the M-Series Industrial Inkjet Jetstack (available in mono, two-color or four-color configurations) is the robust solution that system integrators need. Each of the 880 nozzles (up to 300 npi) is precisely aligned to deliver consistent drops over hundreds of billions of cycles at temperatures up to 140°C, enabling a compact package that can successfully meet a vast array of fluidic requirements.

KEY PERFORMANCE DIMENSIONS

- **880-Jet Array**—All of the M-Series jetstack's 880 jets are precisely aligned during the manufacturing process. High nozzle count systems require fewer printheads and simpler alignment mechanisms.
- **Stainless Steel Construction**—The ink wetted areas of the M-Series jetstack are all stainless steel from the ink inlet to the nozzle. This makes the unit compatible with virtually any type of ink chemistry and sturdy enough for industrial applications.
- **High Temperature Operation**—The M-Series jetstack can be operated at temperatures as high as 140°C. This further increases the latitude of jettable materials by allowing temperature to be used to adjust material viscosity to an appropriate level.
- **High Frequency Operation**—With a maximum operating frequency of greater than 43 kHz the M-Series jetstack provides superior throughput and performance.

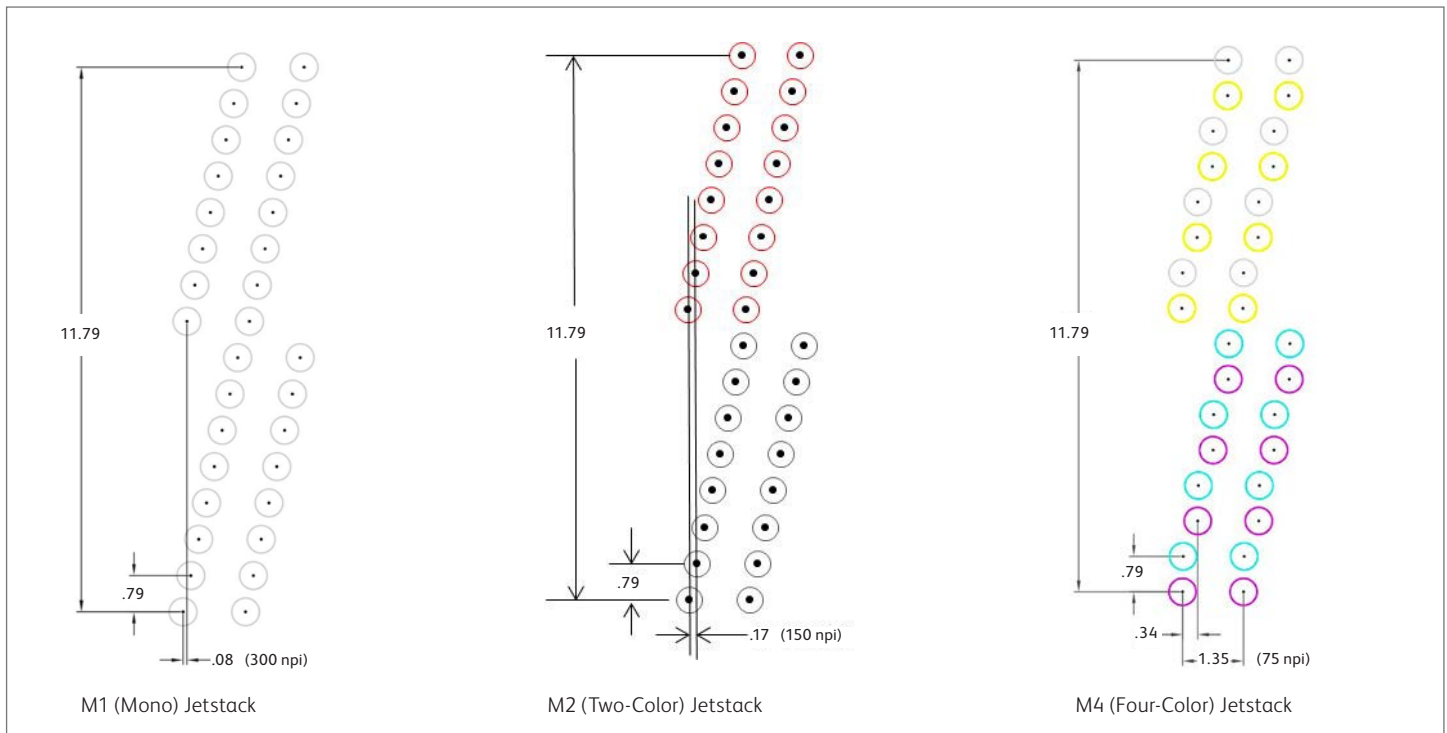


Xerox® M-Series Jetstack Front Side



Xerox® M-Series Jetstack Back Side

Operating Parameters	Unit of Measure	Xerox® M-Series
Number of addressable jets		880
Single-color (Mono) nozzle spacing	microns (npi)	84.4 (300)
Two-color nozzle spacing	microns (npi)	168.8 (150)
Four-color (closest) nozzle spacing	microns (npi)	337.5 (75)
Rows of nozzles		16
Drop size	picoliters	15–30
Drop size variation, 1 sigma	percent	~ 2
Jet straightness, 1 sigma	mrاد	~ 6.6
Nominal drop velocity	m/s	3.3 to 7.5
Drop velocity variation, 1 sigma	percent	4
Operating temperature	°C	Room to 140
Fluid viscosity	cP	6 to 11
Fluid surface tension	dyne/cm	25 to 40
Maximum operating frequency	kHz	>43 kHz
Internal filter	microns absolute	33
Meniscus vacuum	mBar (in H ₂ O)	1.25 (0.5)
Wetted materials		316L Stainless Steel
Ejection cycles successfully tested (waveform dependent)	billion drops per jet	500



All dimensions in mm unless otherwise noted.

For production information, please contact us at OEMSales@xerox.com or visit www.xerox.com/printheads