

Thermal Inkjet

Wolke m610[®] print sample guide





Clear, consistent codes

The Wolke m610 printers are the among the highest resolution industrial inkjet printers in the market. This is accomplished through the use of HP® thermal inkjet cartridges, which have a maximum print resolution of 600 x 600 dpi. High resolution means clear, easy to read alphanumeric characters, while enabling more complex coding options and the ability to print 1-dimensional bar codes (UPC, GS1 128), alternate fonts, logos, and the increasingly popular 2-dimensional codes such as GS1 DataMatrix and Quick Response (QR) codes. The benefits do not stop there. Because the cartridge contains the printhead and ink supply, there is no costly maintenance associated with pumps, filters, or tubing. There are no messy ink changes or nozzle washdown procedures Ultimately, the simple design translates to easy operation through fast cartridge replacement. The m610 thermal inkjet printers meet the needs of a variety of applications.

Consumption Chart

Font Height (mm)	Code Dimensions (mm)	Approx. Number of Codes Per Cartridge	Print Sample
3.0	3 x 21	538,000	9-30-2019
3.0	3 x 32	359,000	EXP 9-30-2019
3.0	7 x 20	269,000	9-30-2019 A62835T
3.0	7 x 32	186.000	EXP 9-30-2019 LOT A62835T
2.0	9 x 39	124,000	GTIN 03453120000011 EXP 09-25-19 LOT ABCD1234
2.5	12.7 x 36	56,000	2 94761 52937 9
1.8	12.7 x 70	27,000	(10)0114254(99)11:21

All samples shown above were printed at 300 x 300 dpi with Premium Black ink (part # WLK660068). Ink consumption varies based on the print resolution selected.

Line speed vs. horizontal resolution of Videojet and Wolke printers

The maximum line speed of m610 printers is determined only by the horizontal resolution setting of the code printed. The code height is a function of the number of printheads selected, and is independent of the production line speed. See chart below for details. Regardless of whether the code is a single line of text, multiple lines of text, tall bar codes, complex graphics, or any combination thereof, productivity will never be compromised by the amount of content required in the code.

Vertical Resolution (dpi)			Max Line Speed (meters/min.)	Max Print Height (inches/mm)	
Horizontal Resolution (dpi)		600	300		m610 touch, m610 advanced, m610 oem
	600	LOT A62835T	LOT A62835T	30.5	
	450	LOT A62835T	LOT A62835T	39.6	2 inches (50.8mm)
	360	LOT A62835T	LOT A62835T	48.8	
	300	LOT A62835T	LOT A62835T	61.0	
	240	LOT A62835T	LOT A62835T	76.2	
	200	LOT A62835T	LOT A62835T	91.4	
	180	LOT A62835T	LOT A62835T	100.6	
	150	LOT A62835T	LOT A62835T	121.9	

All samples shown above were printed with Premium Black ink (part # WLK660068). 300 x 300 dpi represents the industry standard for coding primary packaging. Typical dry times are 1-2 seconds. While print resolutions below 300 x 300 dpi may improve the dry time, increasing the print resolution may result in longer dry times. Please contact your Videojet representative for a complimentary evaluation.

Capabilities to meet just about any specification — including bar codes, fonts, graphics and more.

Description	Print Sample			
Linear bar codes Wide range of bar codes for automatic identification. UPC A&E EAN 8 & 13; Code 128 A, B&C UCC/EAN 128; Code 39; Interleaved 2 of 5. (Samples shown were printed at 300 x 300 dpi using Premium Black ink)	1234 5670 EAN 8	1 234567 890128 EAN 13	1234567890 EAN 128	
	1234567890 Code 39	UPC-A	1234567890 Codabar	
2D codes Wide range of standard 2D and rectangular 2D DataMatrix, including GS1 (Samples shown were printed at		DataMatrix	QR Code	
300 x 300 dpi using Premium Black ink) Note: Not all 2D codes available on all printers	(01)12345678901237 (17)110718	(01)12345678901237 (17)110718	MIRSEARCESSI	
Logos and graphics	GS1 Databar - Stacked	GS1 Databar - Limited	MicroPDF 417	
Font sizes User-defined font sizes are fully adjustable. All TrueType [®] fonts available on m610 advanced, oem and touch models.	^{2mm Arial} 3mm Arial 5mm Arial 12mm			
Specialty fonts For use with Optical Character Recognition	Videojet Technol OCR-A	ogies Videoje	t Technologies OCR-B	

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