Print Sample Guide

Wolke m600®
Thermal-InkJet-Printer

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The Wolke m600 printers are the among the highest resolution industrial ink jet printers in the market. This is accomplished through the use of HP thermal ink jet 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 (OR) codes.

The benifits do not stop here. 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 wash-down procedures. Ultimately, the simple design translates to easy operation through fast cartridge replacement.

The Wolke m600 thermal ink jet 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	9-30-2015
3,0	3 x 32	359.000	EXP 9-30-2015
3,0	7 x 20	269.000	9-30-2015 A62835T
3,0	7 x 32	186.000	EXP 9-30-2015 LOT A62835T
2,0	9 x 39	124.000	GTIN 03453120000011 EXP 09-25-15 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 Wolke Printers

The maximum line speed of the m600 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.

Horizontal Resolution (dpi)	Vertical Resolution (dpi)		Max. Line Speed (m/Min.)	Max. Print Height (mm)	
	600	300		m600 touch, m600 advanced	m600 basic
600	LOT A62835T 9-30-15	LOT A62835T 9-30-15	30		
450	LOT A62835T 9-30-15	LOT A62835T 9-30-15	40		
360	LOT A62835T 9-30-15	LOT A62835T 9-30-15	50		
300	LOT A62835T 9-30-15	LOT A62835T 9-30-15	60		
240	LOT A62835T 9-30-15	LOT A62835T 9-30-15	75	50,8 mm	25,4 mm
200	LOT A62835T 9-30-15	LOT A62835T 9-30-15	90		
180	LOT A62835T 9-30-15	LOT A62835T 9-30-15	100		
150	LOT A62835T 9-30-15	LOT A62835T 9-30-15	120		

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 Wolke representative for a complimentary evaluation - free of charge.

Versatility comes standard.

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 aus 5. (Samples shown were printed at 300 x 300 dpi using Premium Black ink.)	 EAN 8 EAN 13 EAN 128 Code 39 UPC-A Codabar
2D codes Wide range of standard 2D and rectangular 2D DataMatrix, including GS1. (Samples shown were printed at 300 x 300 dpi using Premium Black ink.) Note: Not all 2D codes are available on all printers.	 DataMatrix QR-Code GS1 Databar – stacked GS1 Databar – limited MicroPDF 417
Logos and graphics	
Font sizes User-defined font sizes are fully adjustable. All TrueType* fonts available on m600 touch.	 2mm Arial 3mm Arial 5mm Arial 12mm
Specialty fonts For use with Optical Character Recognition	Videojet Technologies Videojet Technologies OCR – A OCR – B

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