

Thermal Inkjet

Wolke m610[®] print sample guide



Clear, consistent codes

The Wolke m610 printers are 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.



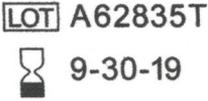
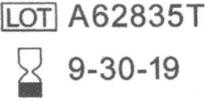
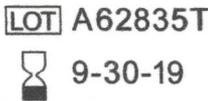
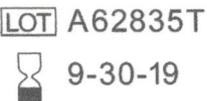
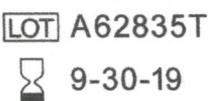
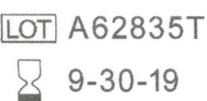
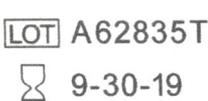
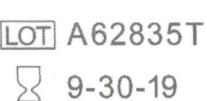
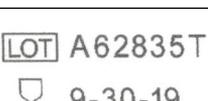
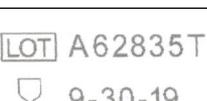
Consumption Chart

| 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 0345312000011 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 |  |  |  2 inches (50.8mm) |
| | 450 |  |  | |
| | 360 |  |  | |
| | 300 |  |  | |
| | 240 |  |  | |
| | 200 |  |  | |
| | 180 |  |  | |
| | 150 |  |  | |
| | | | | |

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.

