

# Zebra ZT610

## Micro Consistent Printing for High Resolution, Precision Applications

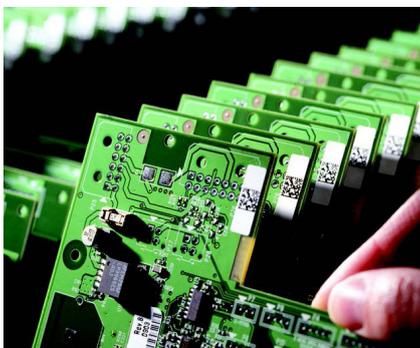


The ZT610 is the ideal printer for micro consistent printing in precision applications in a wide variety of industries. The ZT610 can print on labels as small as 3mm and with optimal print quality, thanks to a combination of consistently high registration and high resolution printing performance. Designed for the most demanding environments and equipped with easy to use, advanced features, the ZT610 is an extremely versatile industrial printer and provides the best all-around choice for your printing needs.

- 600 dpi print resolution
- 3mm label capability
- Metal Construction, Rugged durability, 24/7 reliability
- Link-OS architecture offers unparalleled visibility, remote management and ease of use.
- User friendly side loading design with light guided media path
- Color display with intuitive icon based UI
- Rewind, Peel, Cutter, RFID configuration options
- Metal Construction, Rugged durability, 24/7 reliability
- Wide array of connectivity : Gigabit Ethernet, USB 2.0, RS-232 Serial, BT 4.0, USB Host, 802.11ac (opt.), Parallel



**Manufacturing**  
Electronic Components  
and PCB labeling



**Healthcare**  
Pharmaceutical  
and Small Container Labeling



**Retail**  
Jewelry, Cosmetics  
and Small Item Labeling



## Specifications at a glance\*



<b>PRODUCT NAME</b>	
ZT610 600 dpi	
<b>PRINTER SPECIFICATIONS</b>	
Maximum Print Width	4.09" (104 mm)
Programmable print speeds (inches per second)	1, 2, 3, 4, 5, 6
<b>MEDIA AND RIBBON SPECIFICATIONS</b>	
Media width (label and liner)	0.79" (20 mm) to 4.5" (114 mm) For smaller widths, please contact your Zebra sales representative.
Ribbon Width	0.79" (20 mm) to 4.33" (110 mm)
Minimum label length	Tear and Rewind modes: 0.12" (3 mm) Peel mode: 0.5" (13 mm) Cutter mode: 1.5" (38 mm)

Vertical Registration	2 inches per second	4 inches per second	6 inches per second
<b>Cutter</b>	+/-0.40 mm for cutter at <= 2 inches per second. +/-0.43 mm at 3 to 6 inches per second.		
<b>Tear</b>	+/-0.20 mm	0.43 mm	0.43 mm
<b>Rewind or Peel</b>	+/-0.20 mm	0.37 mm	0.37 mm

\* For general specifications, refer to the ZT600 Series Industrial Printer product specification sheet.

## Image Registration

Within a printing application, the printed image will shift. "Registration" is the ability to consistently print in the exact same location on each label. While Zebra offers printers with precise registration, we recommend designing labels with a small, empty space above and below the printed image to compensate for registration variance and prevent loss of print.

Media registration and minimum label length are impacted by media type and width, ribbon type and print speed. For optimal image placement and performance, Zebra recommends utilizing either Tear-off mode or Rewind mode (with or without rewinding the media). In general printing performance is optimized when Back Feed mode is not utilized.

Zebra recommends always qualifying any application with thorough testing.

The type of media and printing supplies used can affect print performance and the life of critical components such as printheads. Zebra designs, produces and rigorously pretests Zebra branded printing supplies under ISO certified processes. Please consult your Zebra sales representative for Zebra recommended media and printing supplies.

For more information about Zebra Printers, visit [www.zebra.com/printers](http://www.zebra.com/printers) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)



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