# GX SERIES
# LABEL PRINTER




## A GENERAL-PURPOSE MACHINE THAT BREAKS THE STATUS QUO

# FEATURES











### Small footprint

Space can be a lot like time: it's hard to notice how much it matters until it's running out. Measuring only 259 mm (W) x 354 mm (D) x 205 mm (H), the compact GX series printer offers unmatched advantages whatever the application.

### All-metal construction

Desktop printers are generally built with plastic housings because they are light and inexpensive. Not the GX series. Driven by our desire to deliver the best user experience and our constant drive to break with convention, the GX series features an all-metal construction for a smooth, low-noise printing experience unmatched in the industry. Beyond bringing much-needed quiet to busy offices, its hard, rigid metal structure is perfectly suited to harsh environments in industrial applications.

### 4.5-inch touchscreen user interface

Just as the graphical user interface was predicted to be the future of personal computers, we believe touch user interfaces will be an indispensable printer feature in the future. The added convenience makes the display one of the most effective tools for increasing work efficiency. That's why the GX series, a printer dedicated to an unmatched user experience, features a large 4.5-inch touchscreen. Combined with an advanced user interface, daily operations, troubleshooting and maintenance are easier than ever — empowering users to spend less time worrying and more time working.

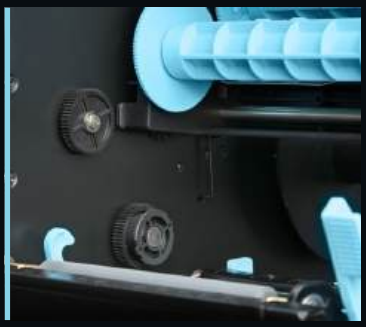
### Swing-up printhead module

The GX printhead module — including the printhead assembly and the ribbon supply and take-up mechanisms — swings up to a vertical position, leaving plenty of room for loading consumables and maintenance.

### Media tension mechanism

To ensure accurate printing, labels and tags come with position marks such as gaps, notches or black marks. These marks are picked up by one of the two media sensors in the GX series printer to know precisely where the label or tag begins. If the media slackens, the actual media length between the media sensor and the print line increases, leading to inaccurate position detection.

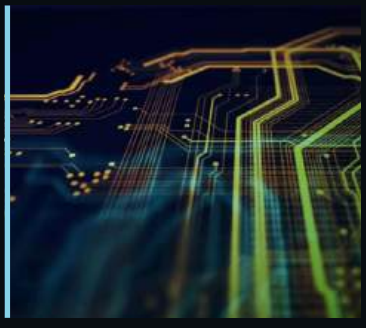
An innovative media tension mechanism built into the GX printer applies continuous tension to the media regardless of media type or size, ensuring precise positioning on GX printers at all times. Since the media











tension mechanism delivers excellent results with all kinds of media, we offer an optional user-adjustable media spindle kit that supports 1.5- and 3-inch media cores to make the most of the GX's versatility.

### Adjustable ribbon tension mechanism

As the features above show, we are strongly committed to user experience and performance, and that commitment extends to every aspect of our design. Ribbon tension, one of the most important factors in print quality, is no exception. Because different ribbon widths can be used, incorrect ribbon tension harms print quality: wrinkles in the ribbon or slipping against the media make the label unusable. To prevent this, we built a user-adjustable ribbon tension mechanism that requires no prior experience or training, so you get the industry's best print quality whatever the application.

### Advanced Dynamic Adaptive Precision Tuning (ADAPT™)

Say goodbye to poor print quality caused by platen roller wear, changes in media thickness or different media friction coefficients. With the innovative precision calibration algorithm, the industry's best print quality is achieved through a simple automatic calibration process — delivering consistent, accurate printing while drastically reducing maintenance needs.

### Script OX

Printing without a computer has been possible for decades, but it requires predefined templates stored in the printer, with only one or two parameters that can change in real time. With OX script, POSTEK's Python-based scripting language, templates are a thing of the past. Based on various preset conditions and requirements, every element of every label in every print job can differ from the one before and after. Who sets the conditions, you may ask? You do. OX scripts give you the freedom and flexibility to fully customize the print script to your needs.

### RFID ready

The GX series is unique enough on its own, but with an optional RFID kit it truly stands alone in the industry. Combined with POSTEK's signature easy-to-use design and a long list of unique RFID features, the GX series is easily one of the best choices for any RFID application.

# SPECIFICATIONS

| Model | GX2 | GX3 | GX6 |
|---|---|---|---|
| RFID model | GX2r | GX3r | GX6r |
| Print mode | Direct Thermal and Thermal Transfer | | |
| Print resolution | 203 dpi | 300 dpi | 600 dpi |
| Max. print speed | 10 ips | 8 ips | 5 ips |
| Max. media width | 4.41'' (112mm) | | |
| Max. print width | 4.45'' (108mm) | 4.16'' (105.7mm) | 4.16'' (105.6 mm) |
| Max. print length | 315'' (8000 mm) | 157'' (4000mm) | 40'' (1016 mm) |
| MPU | Quad-core 64-bit Arm® Cortex®-A53, max. operating frequency 1.8 GHz | | |
| GPU | GC NanoUltra 3D (1 shader) &GC320 2D OpenGL ES 2.0 | | |
| Memory | 2GB DDR4 RAM, 8GB managed NAND flash | | |
| HEAT™ level * | I | | |
| RFID encoder | Supports UHF EPC Gen 2, ISO 18000-6C protocols (RFID models only) | | |
| Media roll | Max. media width: 4.33" (110 mm)<br>Min. media width: 0.98" (25 mm)<br>Max. outer diameter: 6" (152 mm)<br>Inner diameter: 1.5" (38 mm) / 3" (76.2 mm) (optional) | | |
| Minimum label length | Tear-off: 0.2" (5 mm) | | |
| | Peel-off: 0.47" (12 mm), | | |
| | Cutter: A150/A400: 0.79'' (20mm)<br>AG120/AG300: 0.51'' (13mm) | | |
| Media thickness | 0.003" ~ 0.008" (0.08 ~ 0.2 mm), including liner | | |
| Ribbon | Max. length: 984.25' (300 m)<br>Max. outer diameter: 2.75" (70 mm)<br>Inner diameter: 1" (25.4 mm)<br>Ink side: in or out | | |
| Media sensor | Reflective (adjustable) and transmissive (two positions) | | |
| Fonts | Five built-in bitmap fonts, including the Basic Latin and Latin-1 Supplement character sets.<br>Two built-in scalable fonts: one supports Latin, Greek and Cyrillic scripts, and the other is specifically a GB18030 Chinese character set.<br>User-downloadable TrueType fonts. | | |
| Barcode types | Barcodes: Code 39, Code 93, Code 128/subset A,B,C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, GS1-128, etc.<br>2D barcodes: MaxiCode, PDF417, Data Matrix, QR Code, GS1 DataMatrix, GS1 QR Code, CS Code, etc. | | |
| Interfaces | RS-232 Serial, Ethernet 10/100/1000Mbps, USB DEVICE 2.0, USB HOST | | |
| LCD display | 4.5" capacitive touchscreen | | |
| Power supply | 100 ~ 240 V AC, 50/60 Hz | | |
| Weight | 18 lbs (8.2 kgs) | | |

| Model | GX2 | GX3 | GX6 |
|---|---|---|---|
| RFID model | GX2r | GX3r | GX6r |
| Dimensions | W 10.58" (268.8mm) x D 13.88" (352.5mm) x H 7.80" (198.2mm) | | |
| Operating environment | Temperature: 32° F ~ +104° F (0° C ~ 40 ° C)<br>Relative humidity: 5% - 90% non-condensing<br>Max. altitude: 5000 m | | |
| Storage environment | Temperature: -40° F ~ +140° F (-40° C ~ 60° C)<br>Relative humidity: 5% - 90% non-condensing | | |

*

## Optional configuration

| | | | | | |
|---|---|---|---|---|---|
| External label rewinder | Max. rewind roll diameter: 9" (228.6 mm) | | | | |
| External media holder | Max. outer diameter: 10" (254 mm) | | | | |
| Peeler * | Min. label length: 0.47" (12 mm) | | | | |
| Cutters | Type | Rotary Cutter | | Guillotine Cutter | |
| | Model | A150 | A400 | AG120 | AG300 |
| | Max. cut width | 120 mm | 120 mm | 118 mm | 118 mm |
| | Min. cut length | 20 mm | 20 mm | 13 mm | 13 mm |
| | Cut thickness (white cardboard) | 0.20 mm | 0.2~0.35 mm | 0.15 mm | 0.30 mm |
| | Cuts through adhesive | Yes | Yes | Yes | Yes |
| | Guaranteed cuts | 600,000 | 600,000 | 600,000 | 600,000 |

*Factory dependent.





GROUP
RETAIL USA

**GL Retail & Investments LLC**
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
**david@glretail.us**
**glretail.us**