

 QuickLabel®

# QL-300



CMYK + WHITE

 AstroNova®

# CMYK + WHITE Toner-Based Digital Label Printer

The QL-300 is the world's first 5-color toner-based tabletop label printer from QuickLabel that enables brand owners to create high-quality labels with the utmost durability, ensure a competitive cost of ownership, and set their brand apart with vibrant, impactful product labels.

Developed from the ground up based upon decades of innovative QuickLabel digital printing technologies, the QL-300 is ideally suited for brand owners who are seeking to create long-lasting, colorful product labels that stand out on the shelves. The unique added capability of printing with CMYK+WHITE toner opens doors for new, creative possibilities in label design, and expands the range of printable substrates to include transparent, colored, textured materials and more.

Producing labels with a level of durability unachievable by other printing technologies, the QL-300 delivers labels with the utmost permanence, water-fastness and UV-resistance. Capable of printing any quantity, from a single label to runs of several thousand, the QL-300 is a production-grade system constructed to consistently generate high-impact labels. Intended for use in any work space, the QL-300 was designed as a user-friendly tabletop solution, making it easier than ever to achieve the look of commercially printed labels in-house.



**Black Material**



**Clear Material**

# Significance of Printing with White

White is the key to color printing that is often overlooked. It is typically used to allow colors (CMYK) to be accurately printed and visualized by the human eye.

The ultra-white toner used with the QL-300 opens up a realm of creative and distinct design opportunities for product labeling and branding. This new capability makes it possible to create impactful product label designs on transparent and colored materials, giving your brand the opportunity to establish a unique and attention-grabbing identity.

The QL-300 is able to achieve CMYK+WHITE printing in a single pass onto a wide variety of label substrates by first placing down a layer of white toner and simultaneously layering precise amounts of CMYK over the white to produce the desired color output. The layers of toner are then “fused” with heat onto the label material, resulting in both an extremely durable printed image and highly accurate colors on transparent and colored substrates.

More advanced label designs can also include printing gradations of colors and white, as well as a spot UV sheen or varnished appearance when printing black onto a dark colored material.

## Print Quality



### Gradients:

Precise media handling and layering control of CMYK+W toner for smooth gradients



### Lines/Text:

Achieve clear-cut font formation and thin lines with QuickLabel's ultra-fine toner



### Imagery:

High-resolution 1200 x 1200 dpi and color image processing for realistic photographic image quality



### Barcodes:

Defined printing of 2D lines and 3D elements for highly accurate and scannable barcodes and QR codes



# Label Materials & Artwork

Engineered in our own Materials Research Laboratory, QuickLabel offers a wide variety of label substrates available for a broad spectrum of applications. With expanded printing capabilities, label materials developed for the QL-300 include white, transparent, colored, metallic and more.



## Natural Brown "Kraft" Textured Paper

Matte finish, brown colored textured paper for a premium antique appearance featuring an all temperature adhesive suitable for printing labels that are exposed to refrigeration or freezing temperatures.



## Semi-Gloss Paper

This white semi-gloss paper with all temperature adhesive is an economical option for printing labels that are exposed to refrigeration or freezing temperatures.



## Gloss Crystal-Clear Polyester Label

A high-gloss, transparent label with general-purpose permanent adhesive. Resists solvents, moisture, abrasion, and tearing.



## Matte Vinyl Label

A matte white, conformable vinyl label with all-purpose adhesive that is repositionable in the short-term. Resists abrasion, moisture, UV light, and many chemical solvents.



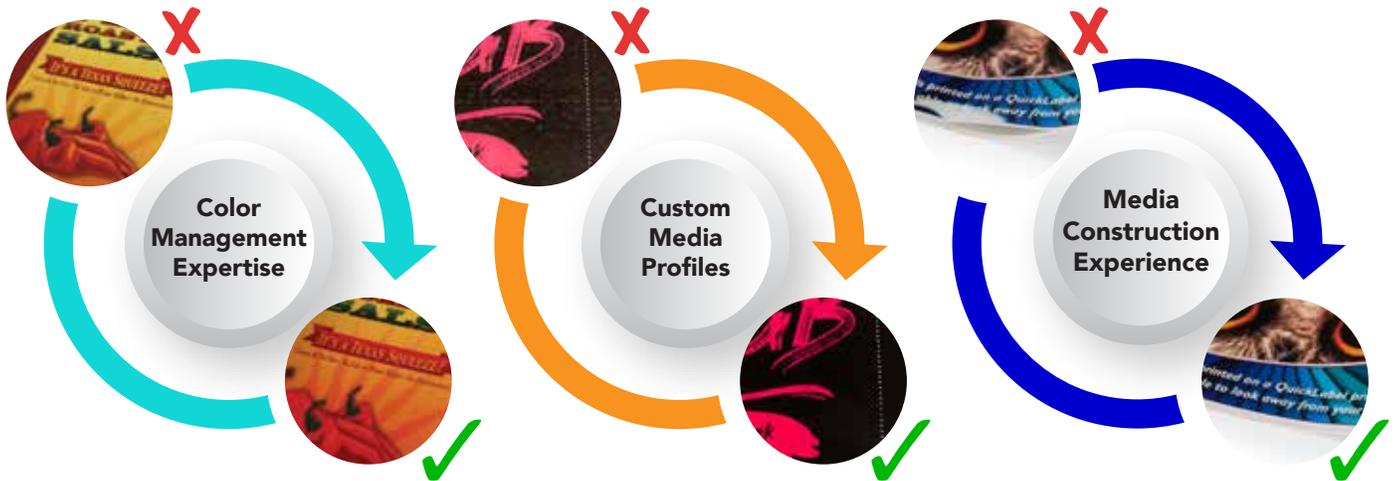
## Black Vellum Paper

Black colored matte paper material ideal for highlighting printed labels with white or a varnished appearance. Features high tack on glass and high moisture resistance.



# Media Knowledge & Expertise

To stand out on the shelves, your product labels must not only maintain quality criteria and branding, but also catch the consumers' eye. With decades of experience in media development, QuickLabel provides intuitive media capabilities such as color management and color profiling that allow you to easily produce high-quality, vibrant and clear-cut labels every time.



**X** Inaccurate colors or overall image tone

**✓** Vibrant, accurate colors and sharp image detail from QuickLabel's custom color profiles

**X** Dull, cloudy or speckled image appearance

**✓** Bright, glossy images with deep blacks and colors that pop, delivering labels with the utmost durability

**X** Poor quality adhesive results in print defects and printer jams

**✓** Application-specific adhesives developed for superior print quality and reliable operation

# LET THERE BE WHITE

World's first **CMYK + WHITE** tabletop label printer



Technical Specifications	
Print Technology	Electrophotographic, Toner
Ink Type	QuickLabel QL-300 Toner, (4 or 5) individual CMYK or W cartridges
Print Resolution	1200 x 1200 dpi
Print Speed	6 ips (152 mm/sec), 4 ips (102 mm/sec) or 2.3 ips (58 mm/sec)
Print Area*	Width: 0.83" - 4.95" (21.2 mm - 125.8 mm) Length: 0.33" - 51.8" (8.5 mm - 1317 mm)
Print Position Accuracy	±0.5 mm
Media Sensors	Gap, Reflective (black mark, bottom), Continuous
Cutter	Automatic, 4.0" (102 mm) minimum cut length
Control Panel	Display: Color LCD 480 x 272 pixel Keypad: Power, Online, Cancel, Help, Power Save, Menu (Up, Down, OK, Back), Numeric Keypad, Feed, Unload LED Indicators: Power, Online, Help, Power Save, Attention
Connectivity	High-Speed USB 2.0; Gigabit Ethernet
Software	Microsoft Windows® 10, 8.1, 8, 7; Windows Server® 2016, 2012, 2008, 64/32-bit Drivers CQL Pro advanced label creation and print management software (one free license included)
Media Specifications	
Thickness	3.0 - 9.8 mil (0.076 mm – 0.25 mm)
Roll Size	8.0" OD (203 mm), 3" ID (76 mm) core
Types	QuickLabel approved paper or synthetic label and tag stock
Environmental & Physical Specifications	
Printer/Toner Operating	50° F to 86° F (10° C to 30° C), 20% to 70% Relative Humidity (non-condensing)
Power Requirements	110 – 127 VAC 60Hz or 220 – 240 VAC 50Hz
Power Consumption	Operating: 710W (average) / Peak: 1,200W
Dimensions	41.3" L x 13.4" W x 17.8" H (1049 mm x 341 mm x 451 mm)
Weight	136 lbs. (62 Kg) with supplies
Warranties	
One-Year Manufacturer's Parts & Labor Warranty on QL-300 printer (excludes printing supplies) 2-year warranty from date of production for unused or unopened toner cartridges, 6 months if opened or installed	
What's Included	
QuickLabel QL-300 printer, AC power cord, USB cable, QL-300 CMYK+W toner cartridges, Installation guide, CQL Pro® advanced label creation and print management software (one free license). Optional remote and on-site setup and training available.	

\* Print mode dependent

CONTACT US TODAY

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