QL-120D
Durable Tabletop Digital Label Printer

QuickLabel®
An AstroNova Division

The **QL-120D** is designed to print exceptionally durable labels with its high-performance pigment inks that can withstand water, abrasion, UV or sunlight exposure and harsh chemicals. The **QL-120D** produces BS5609 certified labels, GHS hazard warning labels, horticultural labels/tags or medical/pharma labels that can withstand sterilization and cryogenic freezing.

- **Exceptionally durable labels, withstanding the harshest applications**
- **Fast print speed up to 12 inches per second (60 ft. per minute)**
- **Print resolution up to 1200 dpi**
- **Print width 0.5" to 4.2"**
- **Economical running cost**
- **Excellent reliability**

Technical Specifications

Operation

Print Technology	Thermal Inkjet
Ink Type	Pigment ink, (4) individual CMYK cartridges
Print Resolution	1,200 x 1,200 dpi / 1,200 x 600 dpi
Print Speed	12 ips (300 mm/sec) @ 1,200 x 600dpi 6 ips (150 mm/sec) @ 1,200 x 1,200 dpi / 600 x 600 dpi
Label Size/Print Area	Width: 0.5" (12 mm)* - 4.17" max (105.9 mm) Length: 0.24" (6 mm) - 30.0" (762 mm) *Reflective TOF mark required for widths <0.75" (19mm), consult with media specialist*
Media Sensors	Gap, Reflective (black mark), Notch, Continuous
Cutter	Automatic, guillotine-type, cut at end of batch or between labels, 1.0" (25mm) minimum cut length Rated for 1.5M cuts on 1.8mil, 65g/m² paper liner
Control Panel	4 buttons - Power, Pause, Feed and Back Feed 8 LED's - Power, Status, Error, Maintenance Cartridge, Ink C/M/Y/K
Time to Ready	On to Ready: 20 seconds Sleep to Ready: 10 seconds
Connectivity	High-Speed USB 2.0; Gigabit Ethernet RS-232 External Control Interface & Protocol
Software	Microsoft Windows® 10, 8.1, 8, 7; Windows Server® 2012, 2008, 64/32-bit Drivers CQL Pro advanced label creation and print management software (one free license included) Nicelabel® Enterprise or Desktop software (optional)
Barcodes	All major barcodes supported, including 2D Datamatrix and QR Code

Printing Supplies

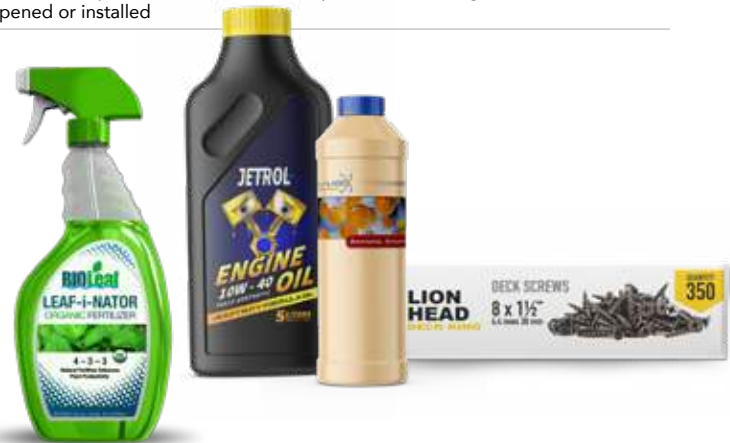|	
Ink Cartridges	QuickLabel QL-120D CMYK pigment cartridges, 240mL (230mL usable)
Maintenance Cartridge	450mL full replacement; 360mL (80%) near full warning
Printhead, Purge Unit & Transport Life	Life varies with image content and duty cycle and is reported by the QL-120D Maintenance Utility

Media Dimensions

Width	1.0" (25.4 mm) - 4.53" (115 mm)
Length	0.24" (6 mm) - 30.0" (762 mm)
Thickness	5.7 - 10 mil (0.145 mm - 0.255 mm)
Roll Size	7.87" OD (200 mm), 3" ID (76 mm) core 11.8" OD (300 mm) with optional UW 5.1 External Unwind
Types	Matte Paper and Synthetic pressure-sensitive; Paper Tag Stock

Environmental & Physical

Printer Operating	59° F to 86° F (15° C to 30° C), 10% to 90% Relative Humidity (non-condensing)
Printer Storage	32° F to 95° F (0° C to 35° C), 5% to 95% Relative Humidity (non-condensing)
Ink Storage	32° F to 95° F (0° C to 35° C), 35% to 85% Relative Humidity (non-condensing)
Noise Level	Less than 60dB while printing, less than 40dB during standby (ISO7779)
Power Requirements	100 - 240 VAC 50/60Hz, 1.5A/0.5A
Power Consumption	Operating: 233W printer, 268W printer with cut operation Idle, Powered On: 22W (max) Standby/Sleep Mode: 8.5W Powered Off: 0.4W (Erp/Lot6)
Dimensions	15.2" L x 22.2" W x 15.5" H (386 mm x 564 mm x 394 mm)
Weight	52.9 lbs. (24 Kg) without supplies 56.1 lbs. (26 Kg) with supplies 68.2 lbs. (31 Kg) shipping
Compliance Standards	Safety - North America: UL 60950-1 2nd Edition, 2011-12-19; cUL CAN/CSA-C22.2 No.60950-1-07 2nd Edition, 2011-12 Safety - Europe: CE(CB) EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 EMC: FCC Part 15 Subpart B (Class B), Industry Canada ICES-003 Issue 6 (Class B), CE EN 55032:2012 Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010 Chemical Safety: TSCA, OSHA HCS, EU directive Others: RoHS, REACH, ErP Lot6, WEEE, EU Battery, EU Packaging Waste
Optional Accessories	RW-5.1 Automatic Label Roll Rewinder, 11.8" (300 mm) OD Roll UW-5.1 Automatic Label Roll Unwinder, 11.8" (300 mm) OD Roll External Control Interface

Warranties

One-Year Astronova Product Identification Standard Limited Warranty. 2 years from date of production on unused/unopened Ink Cartridges, 6 months if opened or installed

QuickLabel® *The Labels You Want When You Need Them.*®

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