AstroNova® Product Identification

Complete Suite of LABELING SOLUTIONS
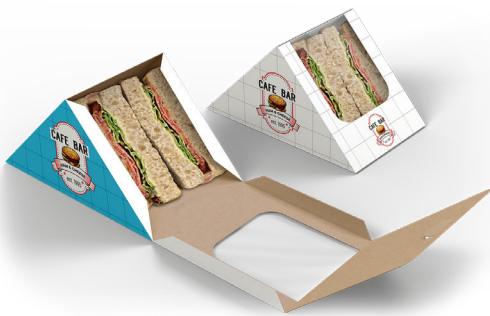
QuickLabel® · GetLabels® · TrojanLabel®

AstroNova®
Product Identification

LEADING THE WAY IN DIGITAL LABEL & SPECIALTY PRINTING SOLUTIONS

AstroNova provides products, services and supplies that improve our customers' ability to identify, track and market their products.

QuickLabel®

Our QuickLabel® brand, pioneer in the on-site label printing industry, leads the field in tabletop label printers for on-demand color labels.

With decades of experience, QuickLabel provides the best solution for tabletop label printing systems. Our label printers, software, media, inks, toner and supplies are all designed to work cohesively. From vibrant product labels to BS5609-certified labels, we understand your labeling needs. Designed with ease-of-use in mind, our labeling solutions allow users to save time, gain flexibility and increase sales.

GetLabels®

Our GetLabels® brand offers everything you need to print the most beautiful and durable labels for your products.

Engineered for lasting impressions, our labels are developed and tested by our in-house experts who work to ensure customers are printing the most durable, and high-quality labels fit for their application. Equipped with an on-site Materials Research Laboratory, GetLabels offers the widest range of label materials and adhesives compatible with all major printer brands.
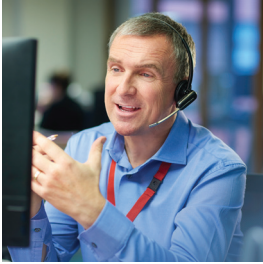
TrojanLabel®

Our TrojanLabel® brand is the innovative leader in the professional label press and specialty printing industry for high volume color labels.

Since 2012, TrojanLabel has globally revolutionized color printing technology with the production of digital color label presses and specialty printing systems for a broad range of end markets. Designed with higher volume and professional applications in mind, TrojanLabel continues to develop innovative solutions and has become the obvious choice for label converters and commercial printers.

GLOBAL REACH
Total Solution Provider

Consultative Approach

Our worldwide Product Support Specialists are available to conduct virtual product demonstrations or to visit your facility for a one-on-one consultation. Your Product Support Specialist will review your specific needs and recommend the appropriate printing solution for your production environment. As part of a dedicated support team, each of our Product Support Specialists are trained to maintain extensive, up-to-date knowledge on all of our products and are always ready to answer any questions you may have through our around-the-clock remote and local support.

Innovative Products

Catering specifically to any business interested in printing their own labels such as end-users, commercial printers, OEM's and custom engineered solution, our QuickLabel division specializes in manufacturing all-in-one, compact digital label printing solutions. TrojanLabel specializes in higher volume and professional applications. Designed for professional quality, performance and total ease-of-use, AstroNova's complete printing solutions allow businesses to easily take label production in-house and maintain a low cost of ownership.

More than 150 authorized channel partners with full service and hardware inventory for worldwide coverage and support.

AstroNova provides complete in-house label printing solutions worldwide. Through our complete solution-based program comprised of four essential elements, making it effortless for businesses to take control of their labeling process and start printing labels.

User-friendly Software

Each of our QuickLabel label printers comes fully equipped with our easy-to-use CQL Pro label and print management software. Designed to simplify label production, CQL Pro comes complete with Label Designer and Print Manager, allowing users to create and edit label designs, design printer profiles, and easily monitor or create print jobs across any label printer model.

While each of our TrojanLabel presses is equipped with TrojanControl touch screen software, which includes a cost calculator and job library, making it even easier to review operating costs, additionally, the TrojanControl display makes it effortless to place labels on pre-die cuts in perfect registration.

High-quality Materials

With 25+ years of experience, GetLabels offers the widest range of label materials and adhesives for your inkjet press, specifically manufactured for your customers' application requirements. Engineered in our own Materials Research Laboratory, our labels are suitable for a broad spectrum of applications; from glossy polypropylene for product display labels to textured matte for wine and artisan products. Our team of Media Specialists is always available for one-on-one media consultation and can provide label samples. upon request.

Manufacturing

Sales & Tech Support

Innovation Technology Center

Hub

Digital Labeling Solutions

With decades of experience, AstroNova provides the best solution for those looking to start printing labels for your business.

Aiming to offer a total labeling solution, AstroNova provides a complete solution-based program, with all of our label printers, software, media, inks, and supplies designed to work cohesively. To ensure you always have *The Labels You Want When You Need Them®*, we deliver the tools you need to effortlessly begin printing professional labels in your facility and on-demand.

Inkjet Dye or Pigment

Digital Inkjet printing is the fastest growing technology in the printing world today. Advantages include ease-of-use, short turnaround time, on-demand printing, vibrant colors, and high-resolution photographic output quality.

Inkjet Press

Producing consistent, high-volumes in 24/7 production, Inkjet presses open new doors in the label printing industry. Ideal for adding high-resolution color inkjet labels to any portfolio.

Thermal Transfer

Valued for durability, print speed, and ability to print on a wide variety of substrate material, Thermal Transfer technology has been and continues to be a printing industry standard.

Electrophotographic Toner

Toner-based printing offers high-quality photographic output with reliable abrasion durability.

CQL PRO

Advanced Labeling Software

CQL Pro is our advanced label design and print management software that allows users to easily design and print custom labels in-house. With a variety of new features and upgrades, CQL Pro provides users with an improved flexibility and intuitive design capabilities.

Label Designer
- Manage multiple labels and variations at the same time
- Access label files across all printer models
- Variable or dynamic data printing by linking to external databases
- Choose from a wide range of linear and 2D barcodes with live previews
- Effortless navigation through modern ribbon layout

Print Manager
- Quickly print multiple jobs with different designs and quantities without interruption
- Easily create print queues of different labels
- Automatically collate labels, choosing queue quantities as needed
- Preview entire print job to eliminate printing errors
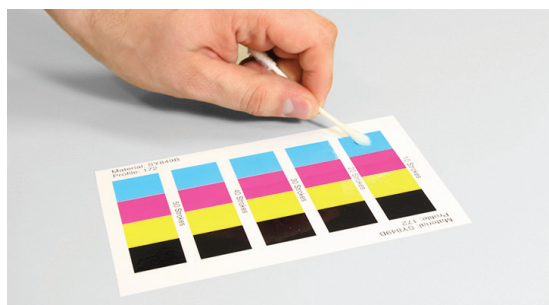
TrojanControl Software
Intuitively designed, the TrojanControl interface allows operators to control print jobs from start to finish with the touch of a finger. It's state-of-the-art remote diagnostics function makes troubleshooting a breeze, easily resolving issues and eliminating delays. By effortlessly managing print queues through the day, placing labels on pre-die cuts in perfect registration and predicting cost per label, TrojanControl is able to provide operators with the opportunity to significantly reduce labor costs and total cost of ownership.

Materials Research Laboratory

Manufacturing Labels that Stand the Test of Time

At GetLabels, we take the integrity and quality of each of our materials seriously, and test every paper, synthetic label, film, tag, ink, and toner at our Materials Research Lab to measure adhesion strength and resistance to moisture, chemical solvents, abrasion and UV light ensuring we deliver a high-quality final product. From chemical-resistant barrel labels to eye-catching food labels, or narrow cosmetic labels, we're continually developing new materials for every application.

Benefits of Purchasing GetLabels® Label Materials:

- Reduced minimum order quantities and short lead times
- Extensive selection of standard or custom label materials
- Prequalified water-based inkjet label materials
- Continuous or pre die-cut rolls, standard or unique shapes
- ISO 9001-certified

GetLabels®

Experts in Label Media Development

GetLabels understands the importance of customization. With our custom die-cut labels, you can quickly and easily brand your product. Choose your label size and shape from the growing library of options, or we'll happily create a custom label shape for you. We work with you to recommend the materials best suited for your product and are happy to source and test new raw materials to meet all your end use requirements. Contact one of our Media Specialists to schedule a free media consultation.

LEARN MORE ABOUT OUR
QuickN'Roll Program

Optimize Productivity and Reduce Your Total Cost of Ownership

At AstroNova, we understand that a high-quality on-demand label printer is an operational asset. To ensure continuous production while taking control of your budget, you have the option to sign up for our QuickN'Roll Program. As part of the program, our team will collaborate with you to define your ink and label needs based on your production requirements. With a strong forecast in hand, you can sign up for 12 months or more and be guaranteed to avoid overspend and overstock; achieving optimized productivity and reduced cost of ownership.
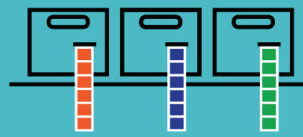
ORDER ORDER ORDER
PRODUCT SALES
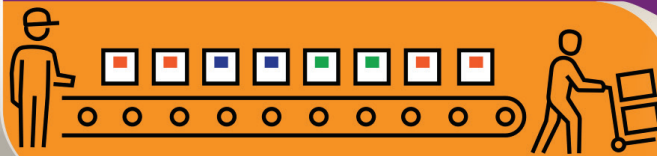
MANUFACTURING

LABEL PRINTING

LABEL APPLICATION

SHIPPING LABELED PRODUCTS

PRINT LABELS JUST IN TIME

Our Commitment To You

Dedicated Point of Contact
Our team of Media Specialists is available for one-on-one consultation to discuss the media you need for your specific application. Our sampling program will allow you to preview the material and print quality of the labels before your order is placed.

Pre-Scheduled or On-Demand Releases
Once your media decisions are made, our team will review your monthly needs and establish an order forecast, ensuring you always have the labels you want when you need them®. Based on this forecast, which can be adjusted at any time, our team will pre-schedule or organize on-demand releases.

High-Quality Labels
Engineered in our own Materials Research Laboratory, our labels are suitable for a broad spectrum of applications. All of our labels, tags and inks are tested for UV fade resistance, abrasion resistance and chemical resistance. Adhesives are tested on various substrates and service conditions and inkjet-receptive coatings are developed and optimized for use in water-based dye and pigment printers and monitored for consistency.
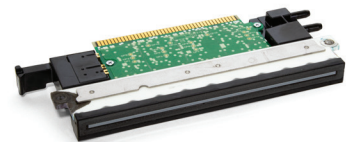
QL-120X
Professional Tabletop Digital Label Printer
Best in Class Two-Year Warranty

eXtended Two-Year Warranty

An industry first, two-year warranty provides the ultimate peace of mind.

The **QL-120X** establishes a new standard in color labeling, offering industry's best eXtended two-year warranty, eXtended printhead life, and eXtended lifetime benefits.

The **QL-120X** features an industry-best two-year warranty giving the assurance and reliability needed to produce color labels, and offers a low total cost of ownership with its high-capacity ink cartridges and lower cost, more efficient dye-based ink, ultimately delivering up to 35% savings (image dependent) than competing pigment ink-based technologies. Featuring a native 1200 x 1200 dpi, eXtended life printhead matched with QuickLabel's proprietary dye ink formulation; the **QL-120X** is ready to deliver true-to-life color images unmatched by any other digital labeling system in its class.

- **Fast print speed up to 12" per second (60 ft per minute)**
- **Superior print resolution up to 1200 dpi**
- **Print width up to 4.2"**
- **Industry best performance**
- **Excellent reliability**

Technical Specifications

Operation

Ink Type	Dye ink, (4) individual CMYK cartridges
Print Resolution	1,200 x 1,200 dpi / 1,200 x 600 dpi
Print Speed	2 ips (50 mm/sec) - 12 ips (305 mm/sec)
Print Area*	Width: 0.5" (12.7 mm) - 4.17" max (105.9 mm) Length: 0.24" (6 mm) - 30" (762 mm)
Media Sensors	Gap, Reflective (black mark), Continuous
Cutter	Automatic, guillotine-type, cut at end of batch orbetween labels, 1.0" (25 mm) minimum cut length Rated for 1.5M cuts on 1.8mil, 65g/m2 paper liner
Connectivity	High-speed USB 2.0; Gigabit ethernet RS-232 external control interface and protocol
Software	Microsoft Windows® 10, 8.1, 8, 7; Windows Server® 2019, 2016, 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)

Environmental & Physical

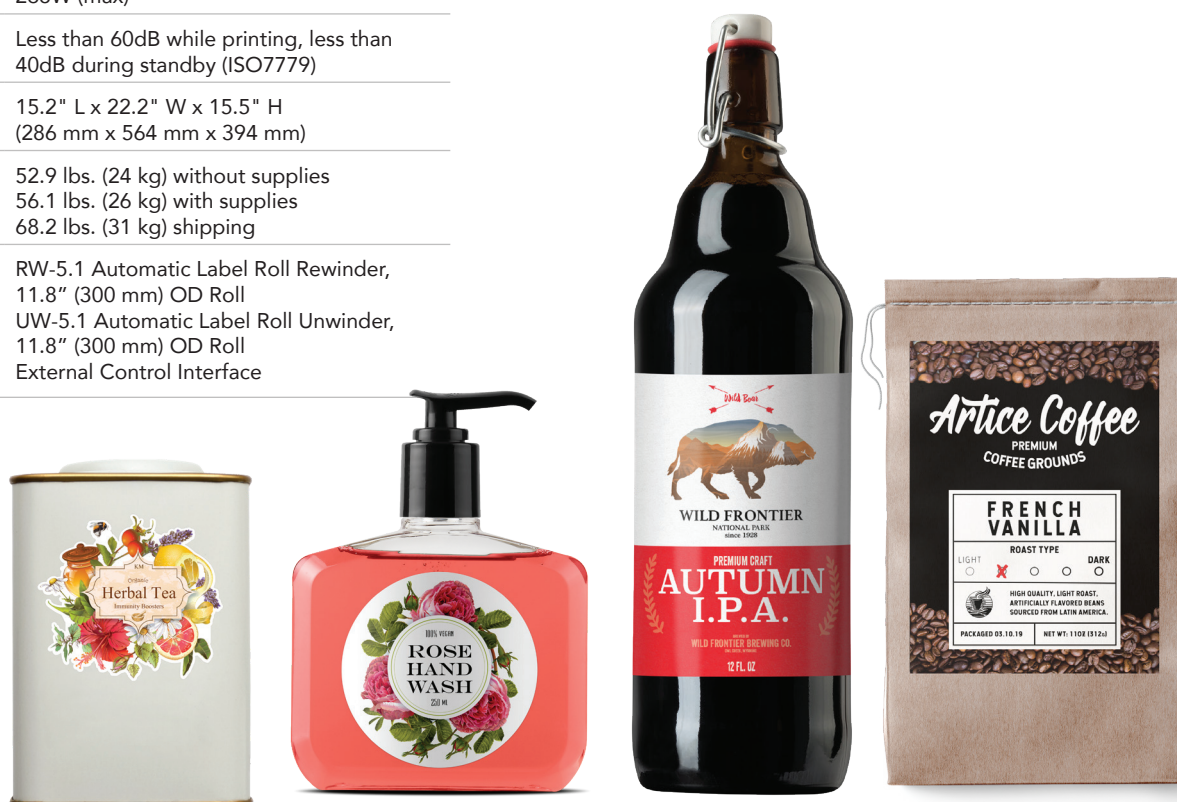|	
Printer Operating	59° F to 86° F (15° C to 30° C), 10% to 90% Relative Humidity (non-condensing)
Power Requirements	100 - 240 VAC 50/60Hz, 1.5A/0.5A
Power Consumption	268W (max)
Noise Level	Less than 60dB while printing, less than 40dB during standby (ISO7779)
Dimensions	15.2" L x 22.2" W x 15.5" H (286 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
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

Supplies

Ink Cartridges	QL-120X CMYK dye cartridges, 240 mL, (230 mL usable)
Maintenance Cartridge	450 mL full replacement; 360 mL (80%) near full warning

Labels and Tags

Construction**	Width: 1.0" (25.4 mm) - 4.53" (115 mm) Length: 0.24" (6 mm) - 30" (762 mm)
Thickness	5.7 mil (0.145 mm) – 10 mil (0.255 mm)
Roll Size	8" OD (200 mm), 3" ID (76 mm) core 11.8" OD (300 mm) with optional UW-5.1 External Unwind
Types	Matte, semi-gloss, high gloss papers, and synthetics as well as tag stocks and other specialty labels

Warranty

Two-Year AstroNova Product identification Standard Limited Warranty (excludes wear parts and supplies)

* Consult with our media sales specialists for label widths narrower than 0.75" (19 mm)
** Construction = print width + edge trim

QL-120D
Durable Tabletop Digital Label Printer

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" 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

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) @ 1200 x 600dpi 6 ips (150 mm/sec) @ 1200 x 1200 dpi / 600 x 600 dpi
Print Area	Width: 0.5" (12 mm)* - 4.17" max (105.9 mm) Length: 0.24" (6 mm) - 30.0" (762 mm)
Media Sensors	Gap, Reflective (black mark), 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 1.8 mil, 65g/m² paper liner
Connectivity	High-Speed USB 2.0; Gigabit Ethernet RS-232 External Control Interface & Protocol
Software	Microsoft Windows® 10, 8.1, 8, 7; Windows Server® 2019, 2016, 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)

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	268W (max)
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
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

Supplies

Ink Cartridges	QL-120D CMYK pigment cartridges, 240 mL (230 mL usable)
Maintenance Cartridge	450 mL full replacement; 360 mL (80%) near full warning

Labels and Tags

Construction**	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	8" OD (200 mm), on 3" ID (76 mm) core 11.8" OD (300 mm) with optional UW 5.1 External Unwind
Types	Matte, semi-gloss, high gloss papers, and synthetics as well as tag stocks and other specialty labels

Warranties

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

* Consult with our media sales specialists for label widths narrower than 0.75" (19 mm)
** Construction = print width + edge trim

QL-300
5 color CMYK+White Toner-Based Label Printer

Designed for label printing, the **QL-300** is the world's first 5-color (**CMYK+White**) toner-based tabletop label printer. The addition of white to traditional CMYK printing, delivers exceptionally sharp, crisp, clear, and vibrant color labels, expanding creative opportunities, and creating impactful branding that drives product sales. Users can print on a wide variety of label materials from economical to premium, including transparent, black, Kraft paper, metallic silver, gold-colored, and more. Also available as a 4-color CMYK model upon request.

Delivering premium 1200 x 1200 dpi 5-color labels with unmatched durability, water-fastness, and UV-resistance, the **QL-300** enables brand owners to achieve an efficient workflow from short to mid-size runs. Label widths range from 1.0" to 5.0" and offer roll-to-cut or roll-to-roll operation. The **QL-300** also includes a license to CQL Pro advanced labeling software.

- **Print speed up to 6" per second (30 ft per minute)**
- **Exceptional print resolution up to 1200 dpi**
- **Print width 0.83" to 4.95"**
- **High resolution output with low toner consumption**
- **Produce rugged labels that withstand abrasion, moisture and UV exposure**

NATURAL GRASS PAPER

Technical Specifications

Operation

Print Technology	Electrophotographic, Toner
Ink Type	Toner, (4 or 5) individual CMYK or W cartridges
Print Resolution	1200 x 1200 dpi / 600 x 600 dpi
Print Speed	6 ips (152 mm/sec), 4 ips (102 mm/sec) or 2.3 ips (58 mm/sec)
Label Size/Print Area*	Width: 0.83" (21 mm) - 4.95" max (126 mm) Length: 0.33" (8.46 mm) - 51.8" (1316.6 mm)
Print Position Accuracy	±0.5 mm
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 PCL and PostScript drivers CQL Pro advanced label creation and print management software (one free license included)
Barcodes	All major barcodes supported, including 2D Datamatrix and QR Code

print mode and driver dependent

Environment & Physical

Printer Operating	50° F to 86° F (10° C to 30° C), 20% to 70% Relative Humidity (non-condensing)
Printer Storage	14° F to 109° F (-10° C to 43° C), 10% to 90% Relative Humidity (non-condensing)
Power Requirements	110 – 127 VAC 60Hz 220 – 240 VAC 50Hz
Power Consumption	Operating: 710W (average) Peak: 1,200W Idle, Powered On: 27W Power Save: 25W
Dimensions	40.9" L x 18.8" W x 17.4" H (1040 mm x 477 mm x 441 mm)
Weight	136 lbs. (62 Kg) with supplies

Supplies

Toner Cartridges	QL-300 CMYKW toner cartridges, with integral image drum
Additional Supplies	Transfer Belt, Transfer Roller, Waste Toner Box, Fuser

Media Dimensions

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	GetLabels Approved Paper, Synthetic label and tag stock

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

GOLD METALLIC

NATURAL BROWN "KRAFT"

GLOSS CRYSTAL CLEAR POLYESTER

BLACK VELLUM

QL-850

Wide-Format Desktop Label Printer with Exceptional Durability

The new **QL-850** desktop printer features more durable and moisture-resistant dye-based ink coupled with various media handling enhancements to deliver a higher level of reliability and continuous production printing ability. With advanced inkjet technology, a compact footprint and a robust digital color engine, the **QL-850** prints beautiful, perfectly tailored product labels that will accommodate your brand and allow you to easily print labels with any text, barcode, or color graphics in affordable small batches.

Designed for wide format 8.5" printing, boasting 1600 dpi high-resolution and high speed up to 12 ips, the **QL-850** produces highly-durable prints on a wide variety of media types.

- **Fast print speed up to 12" per second (60 ft per minute)**
- **Superior print resolution up to 1600 dpi**
- **Print width 2" to 8.3"**
- **Latest inkjet technlogy on the market**
- **High productivity wide format label printer**

Technical Specifications

Operation

Ink Type:	High Performance water-based dye ink 4 CMYK cartridges
Print Resolution:	1600 x 1600 dpi, 800 x 1600 dpi
Print Speed:	6 ips (152 mm/sec) at 1600 x 1600 dpi 12 ips (305 mm/sec) at 1600 x 800 dpi
Print Area:	Width: 2.5" (63 mm) – 8.3" (211 mm) Length: 1" (25 mm) - 30" (762 mm)
Media Sensors:	Gap, Reflective, (black mark), Continuous;
Cutter:	Automatc, cut at end of batch or between labels.Rated for 100,000 cuts on paper liner
Connectivity:	USB 2.0; 10/100 BaseT Ethernet, RJ-45 connection
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)

Environmental & Physical

Printer Operating:	41° F to 95° F (5° C to 35° C), 20% to 90% Relative Humidity (non-condensing). Printer should be installed on level surface with no more than 1° tilt in any axis
Power Requirements:	100 - 240 VAC 50/60 Hz, 2.6A
Power Consumption:	Operating: 260W (max) Idle: 60W (max)
Dimensions:	23.7" L x 20.3" W x 20.8" H (602 mm x 515 mm x 528 mm)
Weight:	64 lbs. (29.0 kg) without supplies 70 lbs. (31.8 kg) with supplies 83 lbs. (37.6 kg) shipping
Optional Accessories:	Automatic Label Roll Rewinder and Unwinder

Supplies

Ink Cartridges:	QL-850 CMYK dye cartridges, 250 mL each
Maintenance Cartridge:	2,000 maintenance operations or approximately 2 million linear inches; Near full warning at approximately 80% full
Ink Type:	High performance, water-based dye inks with extra-wide color gamut that produce true-to-life color when combined with GetLabels approved media

Labels and Tags

Width:	2.1" (54 mm) – 8.4" (214 mm)
Length:	1.1" (29 mm) – 30.1" (765 mm)
Thickness:	5.5 mil (0.140 mm) – 7.5 mil (0.191 mm)
Roll Size:	8" OD (203 mm) on 3" ID (76 mm) core
Types:	Gloss Paper, Matte Paper and Synthetic pressure-sensitive; Paper Tag Stock

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

QL-30
QL-60
One-Color Thermal Transfer Printers

Compact, monochrome high-speed thermal transfer printers that are designed with ease of use in mind. The **QL-30M** at 300 dpi and the **QL-60M** at 600 dpi are both high-quality printers that offer high print speeds of up to 11.8 inches per second. Perfect for barcode label printing, or for printing one-color labels that are exposed to extreme conditions for long periods. Both printers can be operated in stand-alone mode, in a PC application or a network.

These printers are an ideal solution for producing labels for hazardous substances, including barcoding, cardboard boxes, pallets, and more.

- **High print speed up to 11.8" per second (55 ft per minute)**
- **Print resolution up to 300 or 600 dpi**
- **Print width 0.1" to 4.2"**
- **Mono-color, industrial application with immediate label output**
- **Compact design thermal transfer label printer**

Technical Specifications

Operation

Ink Type:	Thermal transfer
Print Resolution:	QL-30: 300 dpi QL-60: 600 dpi
Print Speed:	QL-30: 1 ips (20 mm/sec) 11.8 ips (300 mm/sec) QL-60: 1 ips (20 mm/sec) 5.9 ips (150 mm/sec)
Print Area:	Width: 0.2" (4 mm) – 4.2" (106 mm) Length: 0.1" (3 mm) – 78.7" (2000 mm)
Media Sensors:	Gap, Reflective, Continuous
Connectivity:	High-Speed USB 2.0; Gigabit Ethernet; RS-232 (1,200 - 230,400 baud) (2) USB host device on rear panel (for keyboard, scanner, USB memory, bluetooth adapter) (1) USB host device on operation panel (for USB memory or service key) 802.11b/g/n WLAN , Digital I/O with 8 in- and outputs
Software:	Microsoft® Windows 10, 8, 7; Windows Server® 2012, 2008, 64/32-bit Drivers, CQL Pro advanced label creation and print management software Nicelabel® Enterprise or Desktop Software (optional)

Environmental & Physical

Printer Operating:	32° F to 105° F (0° C to 40° C), 10% to 85% Relative Humidity (non-condensing)
Power Requirements:	100 - 240 VAC 50/60Hz, 1.5A/0.5A
Dimensions:	18.1" L x 9.9" W x 11.3" H (460 mm x 252 mm x 288 mm)
Weight:	22 lbs. (10 kg) without supplies
Optional Accessories:	Label Rewinder, Label Unwinder, Cutter, Cutter/Stacker, Present Sensor

Supplies

Ribbon Supplies:	Each roll 1,476 ft. long (450 m)
Ink Type:	Thermal transfer

Labels and Tags

Width:	0.2" (4 mm) – 4.3" (110 mm)
Length:	0.1" (3 mm) – 78.7" (2,000 mm)
Thickness:	2.3 – 28.7 mil (0.06 mm - 0.73 mm)
Roll Size:	8.1" OD (205 mm), 1.5" (38 mm) – 3.9"(100 mm) ID
Types:	Gloss Paper, Matte Paper and Synthetic pressure-sensitive; Paper Tag Stock

Warranty

One-Year Astronova Product Identification Standard Limited
Warranty (excludes wear parts and supplies)

QL-30MT
QL-60MT
Thermal Transfer Textile Printers

With a robust, compact design, the **QL-30MT** and **QL-60MT** printers require a small footprint and maintain a long operational life. Rugged 300 or 600 dpi printheads for sharp-edge print image allow for accurate image placement for labels with small fonts and graphics. These thermal transfer printers produce durable labels for optimal performance and efficiency when printing.

- High print speed up to 11.8" per second (55 ft per minute)
- Print resolution up to 300 or 600 dpi
- Print width 0.2" to 4.2"
- Mono-color, industrial application with immediate label output
- Compact design thermal transfer label printer

Technical Specifications

Operation

Ink Type:	Thermal transfer
Print Resolution:	QL-30MT: 300 dpi QL-60MT: 600 dpi
Print Speed:	QL-30MT: 1 ips (20 mm/sec) – 11.8 ips (300 mm/sec) QL-60MT: 1 ips (20 mm/sec) – 5.9 ips (150 mm/sec)
Print Area:	Width: 0.2" (4 mm) – 4.2" (106 mm) Length: 0.1" (3 mm) – 78.7" (2000 mm)
Media Sensors:	Gap, Reflective, Continuous
Connectivity:	High-Speed USB 2.0; Gigabit Ethernet; RS-232 (1,200 - 230,400 baud) (2) USB host device on rear panel (for keyboard, scanner, USB memory, bluetooth adapter) (1) USB host device on operation panel (for USB memory or service key) 802.11b/g/n WLAN , Digital I/O with 8 in- and outputs
Software:	Microsoft® Windows 10, 8, 7; Windows Server® 2012, 2008, 64/32-bit Drivers, CQL Pro advanced label creation and print management software Nicelabel® Enterprise or Desktop Software (optional)

Environmental & Physical

Printer Operating:	32° F to 105° F (0° C to 40° C), 10% to 85% Relative Humidity (non-condensing)
Power Requirements:	100 - 240 VAC 50/60Hz, 1.5A/0.5A
Dimensions:	18.1" L x 9.9" W x 11.3" H (460 mm x 252 mm x 288 mm)
Weight:	22 lbs. (10 kg) without supplies
Optional Accessories	Label Rewinder, Label Unwinder, Cutter, Cutter/Stacker, Present Sensor

Supplies

Ribbon Supplies:	Each roll 1,476 ft. long (450 m)
Ink Type:	Thermal transfer

Labels and Tags:

Width:	0.2" (4 mm) – 4.3" (110 mm)
Length:	0.1" (3 mm) – 78.7" (2,000 mm)
Thickness:	2.3 – 28.7 mil (0.06 mm - 0.73 mm)
Roll Size:	8.1" OD (205 mm), 1.5" (38 mm) – 3.9"(100 mm) ID
Types:	Gloss Paper, Matte Paper and Synthetic pressure-sensitive; Fabric Tag Stock

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

QL-4100Xe
Rugged 4-Color Thermal Transfer Printer

An industrial quality thermal transfer label printer with proven reliability, the rugged **QLS-4100Xe** at 300dpi, is suitable for office or factory environments, printing in four color process mode and spot color mode. Both barcode label printer and near photo-quality label printer, the **QLS-4100Xe** carries the best aspects of each. The **QLS-4100Xe** also includes ribbon saver mode intended for unused ribbon during printing, ultimately serving as a huge cost saver as it eliminates ribbon waste when not printed so that the color is not used by disabling and lifting the print head when not needed.

Print labels with barcodes, color codes, logos, graphics, product description text, serializing text, and prompted fields.

- **Print speed up to 7" per second (35 ft per minute)**
- **Good print resolution up to 300 dpi**
- **Print width 2" to 5.1"**
- **Thermal transfer, short runs of safety and hazard labels and small signs**
- **Print all content in one pass including graphics, product tracking, date, barcodes and compliance label information**

Technical Specifications

Operation

Ink Type	4 Color Thermal Transfer
Print Resolution	300 dpi
Print Speed	2 ips (51 mm/sec) – 7 ips (178 mm/sec)
Print Area	Width: 2" (51 mm) – 5.1" (130 mm), Length: 60" (152 mm)
Media Sensors	Gap, Reflective, Continuous
Connectivity	PC, AS/400®. Ethernet, Parallel (centronics) & Serial (RS-232)
Software	Microsoft® Windows® 10, 8, 7, Vista, XP, 2000, 2003 Printer Drivers included; CQL Pro does not support 4100Xe

Environmental & Physical

Printer Operating	20 to 80% relative humidity (non-condensing)
Power Requirements	120/240 VAC, 50/60 Hz, 6.3/4.0A, 750 Watts
Dimensions	36" L x 15.5" W x 24" H (914 mm x 394 mm x 610 mm)
Weight	140 lbs. (64 kg) without supplies
Optional Accessories	External Rewinder, 2 GB Compact Memory Card, Pullback Mechanism – rewinds printed label material back under the printheads eliminating the "leader" of blank labels between batches (requires compressed air)

Supplies

Ribbon Supplies	4 rolls, each 3,281 ft long (1000 m); Spot or CMYK rolls
Ink Type	Thermal Transfer, Spot or CMYK Process Color

Labels and Tags

Width	2" (51 mm) – 5.1" Max. (130 mm)
Length	0.4" Min. (10 mm)
Thickness	0.012" (0.305 mm)
Roll Size	12" (305 mm) Max. Outside Diameter

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

T2-C
Full Capacity Digital Tabletop Press

The first tabletop press designed with the full capacity of a larger press. Utilizing all the capabilities of the T2 Digital Press, the **T2-C** easily fits into any size print department, producing consistent, high-volumes at 24/7 production. Having the option to print pre-die cut blanks or print on continuous material, the **T2-C** is ideal for brand owners, print shops, and smaller label converters looking to add high-resolution color inkjet labels to their portfolio.

- **High print speed up to 12" per second (60 ft per minute)**
- **Superior print resolution up to 1600 dpi**
- **Print width 2" to 8.8"**
- **First tabletop press to operate at high-volume capacity and precision of a digital press**

Technical Specifications

Operation

Ink Type		High Performance water-based dye ink Four 2-liter tanks CMYK
Print Resolution		1600 x 800 dpi or 1600 x 1600 dpi
Print Speed		6 ips (152 mm/sec) or 12 ips (300 mm/sec)
Print Area		Width: 8.8" (223 mm) Length without stitching: 0.6"– 30" (15 mm – 762 mm) Length with stitching: Unlimited
Media Sensors		Optical tracking edge sensor, adjustable position. Black mark sensor, gap sensor and continuous
Connectivity		Ethernet 10/100/1000
Driver		Microsoft® Windows 10, 8, 7, Windows Server® 2012, 2008, 64/32-bit drivers
Software		TrojanControl Software, Microsoft Windows® 10, 8, 7; Windows Server® 2012, 2008, 64/32-bit Drivers
Slitting Station		(3) slitter blades included by default, up to (7) slitter blades may be installed and used Slitting not allowed for continuous material Cardboard cores with measuring (label width + edge trim) should be ordered.

Environment & Physical

Conditions for Operation	Bewteen 59° F – 86° F (between 15° C – 30° C) at RH 22 to 80% (non-condensing)
Conditions for Storage	Between 41° F – 122° F (5° C – 50° C) at RH up to 85%, non-condensing at 149° F (65° C)
Power Requirements	100-240V AC – 50/60 Hz (360W, 2.5A power supply)
Aerosol Extraction System	Replaceable filters
Dimensions	With 2 Liter external ink tanks: 23.8" L x 22.8" W x 31.3" H (606 mm x 580 mm x 795 mm)
Touchscreen	Touchscreen Display
Weight	132.3 lbs. (60 kg) without supplies

Supplies

Ink Type		Natura ink, high durability, extreme water fastness and good UV light resistance, food-safe ink.
Label Width		1.9" – 9.8" (50 mm – 250 mm)
Length (Die-cut)		0.6" – 60" (15 mm – 1525 mm)
Thickness		4 pt/mil – 12 pt/mil
Roll Size		Core: 3" (76 mm) Max. OD: 11.8" (299.7 mm)
Types		Paper, Ink jet coated gloss paper, PE, PET, PP

Maintenance

Maintenance Cartridge	Maintenance tray with replaceable modules (wiper roller/print head cap)
Aerosol Extraction System	Replaceable filters

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

TrojanLabel
Powered by memjet

T2
Sophisticated Digital Label Mini Press

An ideal solution for label converters, print shops, contract packaging solutions, and secondary label logistics, with all the characteristics of a much larger and more expensive press, the **T2** was created for companies interested in converting their labels at a fraction of the cost.

The **T2** can produce large volumes, with automatic tension control, self-maintenance, and sophisticated algorithms. Easy to work with, it provides perfect registration, a cost calculator, and TrojanControl touch screen with a job library. Overall, a professional digital label press for affordable high volume label production.

- **High print speed up to 12" per second (60 ft per minute)**
- **Superior print resolution up to 1600 dpi**
- **Print width 2" to 8.8"**

Technical Specifications

Operation

Ink	natura ink	High Performance water-based dye ink Four 2-liter tanks CMYK
Resolution		1600 x 1600 dpi full color
Speed		6 ips (152 mm/sec) or 12 ips (305 mm/sec)
Print Area		Width: 2"– 8.8" (51 mm – 223 mm) Length without stitching: 0.6"– 30" (15 mm – 762 mm) Length with stitching: unlimited
Media Sensors		Optical tracking edge sensor Adjustable position Black mark sensor Gap sensor and continuous
Connectivity		Ethernet 10/100
Driver		Microsoft® Windows 10, 8, 7, Windows Server® 2012, 2008, 64/32-bit drivers
Software		TrojanControl

Environment & Physical

Conditions for Operation	Between 41°F and 95°F (between 5°C and 35°C), Recommended 59°F (15°C) at RH 22 up to 80% (non-condensing)
Conditions for Storage	Between 23°F and 122°F (between -5°C and +50°C) at RH up to 85%, non-condensing at 149°F (65°C)
Power Requirements	100-240V AC – 50/60 Hz
Power Consumption	400W (at peak operation)
Dimensions	59" L x 36" W x 62" H (1500 mm x 916.5 mm x 1591 mm)
Touchscreen	15.6" touchscreen
Weight	1036 lbs. (470 kg) without ink and label rolls
Optional Accessories	Slitter for die-cut labels Exit feeder for inline placement RIP workflow Color management software label designer software (manage variable data)

Supplies

Ink Type	natura ink	Natura ink, high durability, extreme water fastness and good UV light resistance, food-safe ink.
Label Width		2"– 9.5" (51 mm – 241 mm)
Length (Die-Cut)		0.6"– 60" (15 mm – 1525 mm)
Thickness		4pt/mil – 12 pt/mil
Roll Size		Core: 3" (76 mm) Max. OD: 23.6" (599.4 mm)
Types		Paper, Inkjet coated gloss paper, PE, PET, PP

Print Quality

TrojanRIP	Optimized color match Global or specific color adjustment Easy color replacement Ability to make impositions

Maintenance

Maintenance Cartridge	Maintenance tray with replaceable modules (wiper roller/print head cap)

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

TrojanLabel®
Powered by memjet

T2-L
Industrial-Grade Flexible Packaging Press

Designed for on-demand printing for flexible packaging, the **T2-L** is the world's first narrow format, industrial quality, water-based inkjet press.

Equipped with in-line cold lamination, and a static eliminator, the **T2-L** is the first of its kind in the flexible packaging industry. To seamlessly print and pack, the **T2-L** produces high-resolution, water-fast, durable images with Natura™ food-safe inks, and easily accommodates variable data, small runs, or 24/7 production, eliminating unnecessary material waste.

For optimal performance with the Natura ink, the **T2-L** is compatible with an extensive portfolio of qualified, flexible packaging materials for a variety of products, including food.

- High print speed up to 12" per second (60 ft per minute)
- Superior print resolution up to 1600 dpi
- Print width 2" to 8.8"
- World's first narrow format flexible packaging, water-based inkjet press

Technical Specifications

Operation

Ink Type	High Performance water-based dye ink Four 2-liter tanks CMYK
Print Resolution	1600 x 1600 dpi full color
Print Speed	Print only: 6 ips (9 m/min) or 12 ips (18 m/min) Print and laminate: 6 ips (9 m/min)
Print Area	Width: 2"– 8.8" (51 mm – 222.5 mm) 0.4" (10 mm) – 60" (1525 mm) or unlimited stitched
Media Sensors	Optical tracking edge sensor reflective mark sensor, Adjustable position Black mark sensor, Gap sensor and continuous
Connectivity	802.3 LAN (10/100) Ethernet Port
Driver	Microsoft® Windows 10, 8.1, 8, 7, Windows Server® 2012, 2008, 64/32-bit drivers
Software	TrojanControl Software RIP

Environment & Physical

Conditions for Operation	Between 68° F to 95° F (20° C to 35° C) recommended, at RH 22 to 80% (non-condensing)
Conditions for Storage	Between 23°F and 122°F (between -5°C and +50°C) at RH up to 85%, non-condensing at 149°F (65°C)
Power Requirements	100-240V AC – 50/60 Hz
Power Consumption	400W (at peak operation)
Dimensions	59" L x 36" W x 62" H (1500 mm x 916.5 mm x 1591 mm)
Touchscreen	15.6" touchscreen
Weight	1036 lbs. (470 kg) without supplies and shipping
Lamination Components (Load & Apply)	15.9 lbs. (7.2 kg) without supplies
Optional Accessories	Slitter for die-cut labels (3 knives) (not when the lamination module is installed) Exit feeder for inline placement RIP workflow/ Color management software Label designer software (manage variable data)
Optional Accessories	Slitter for die-cut labels (3 knives), Exit feeder for in-line placement, RIP work flow/color management software, Label designer software (Variable data)

Supplies

Ink Tanks	Natura ink: High performance, water-based dye inks with extra wide color gamut that produces true-to-life color
Label Width	2"– 9.65" (51 mm – 245 mm)
Label Length Die-Cut	0.6"– 60" (15 mm – 1525 mm)
Thickness	4pt/mil – 12 pt/mil
Roll Size	Core: 3" (76 mm) Max. OD: 24" (600 mm)
Types	Paper, Wine material, Inkjet coated gloss paper, PE, PET, PP, ARTYSIO Flexible Packaging

Print Quality

TrojanRIP	Optimized color match Global or specific color adjustment Easy color replacement Ability to make impositions

Maintenance

Maintenance Cartridge	Maintenance tray with replaceable modules (wiper roller/print head cap)

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

Lamination

Lamination Roll Size	Max Diameter: 12" (300 mm) Core: 2.8" – 3.1" (72 mm – 80 mm) Width: 1.1" – 9.6" (30 mm – 245 mm)
Max. Roll Diameter	11.8" (300 mm)
Width	1.1"– 9.8" (30 mm – 250 mm)
Lamination Type	Cold lamination
Conditions for Operation	Between 0-50° at up to RH 70%

Note: Optional slitters cannot be mounted when the lamination kit is installed.

T3-OPX
A Next-Generation, Direct-to-Package Solution

The **T3-OPX** represents a next-generation, direct-to-package printing solution. Offering superior, full-color, wide-format print capabilities at fast speeds, and the ability to print directly on a variety of materials like postcards, boxes, paper bags, wooden planks, or thicker objects like blister envelopes or folded boxes ready for shipment, and more, the **T3-OPX** allows for late-stage customization and packaging and design versatility.

Featuring brilliant automated height calibration and stable, high-quality production, the **T3-OPX** delivers ROI to businesses by easily expanding products and services to attract new and current customers with private labeling or late-stage customization for seasonal or promotional events. Versatile and easy-to-use, it provides a perfect solution for label converters, print shops, manufacturers, contract packaging solutions, and secondary label logistic partners.

- **Height print speed up to 18" per second (90 ft/min)**
- **Superior print resolution up to 1200 dpi**
- **Print width up to 11.7"**
- **Automized calibration of print height (up to 100mm)**
- **Full-color printing (CMYK)**

Technical Specifications

Operation

Ink Type	Pigmented ink, 4 Individual CMYK cartridges
Print Resolution	1200 x 1200 dpi
Print Speed	Up to 18 ips (27 m/min)
Print Width	Up to: 11.7" (297 mm)
Media Sensors	Optical TOF sensor, adjustable position Pressure sensor for height control
Connectivity	802.3 LAN (10/100/1000) Ethernet port
Driver	Windows 10, 8, 7 32/64-bit
User Interface Software	15.6 Touchscreen TrojanControl Software + RIP

Environment & Physical

Temperature & Humidity	Operation 15° to 30° C (59° to 86° F) Transport –40° to 60° C (–40° to 140° F) Relative humidity 20 to 80% Altitude 0 to 3048 m
Power Requirements	100-240 VAC 50/60Hz, 9A
Print Unit Dimensions	Width: 20.4" (518 mm) Length: 20.3" (516 mm) Height: 11" (290 mm) (excluding height adjustable bracket)
Weight	44 lbs. (20 kg)
Media cleaning unit dimensions	Width: 18" (457.5 mm) Length: 6" (154 mm)
Media cleaning unit weight	10 lbs. (4.5 kg)
Optional Accessories	Conveyor table, automatic feeder, feed table, catch tray, RIP workflow, color management software, artwork designer software for variable data

Supplies

Ink Type	Pigmented aqueous inks
Ink Cartridge Yield	C: 238 ml M: 233 ml Y: 225 ml K: 498 ml ISO pages: K: 20,000 pages CMY: 16,000 pages
Maintenance	Replaceable service tray
Average drop volume	10 pl K, 8.5 pl CMY

Supplies

Maintenance	Replaceable service tray

Media

Types	Uncoated paper, corrugated, paper bags, wood and most other porous ink-receptive packaging
Width	Standard Table: 23.6" (600 mm) Wide Table: 39.3" (1000 mm)
Length	35.5" (902 mm)
Thickness	0 – 4" (0 – 100 mm) automatic height calibration

Conveyor Tables

Speed	Up to 18 ips (27 m/min)
Power requirements	100-240V AC – 50/60 Hz (2.5A power supply)
Dimensions Standard MT1:	Width: 24.6" (626 mm) Length: 59.3" (1507 mm) Height: 35" – 23.4" (892 mm – 595 mm)
Material Width	Standard MT1: 23.6" (600 mm) Wide MT2: 39.4" (1,000 mm)
Dimensions Wide MT2:	Width: 40.3" (1026 mm) Length: 79" (2007 mm) Height: 35" – 23.2" (890 mm – 590 mm) (5 positions)

Warranty

One-Year Astronova Product Identification Standard Limited Warranty (excludes wear parts and supplies)

OEM Solutions

Our History

Did you know AstroNova has half a century of experience delivering custom product solutions for OEMs? In fact, we began as an OEM solution provider in 1969, working with OEMs on their most challenging applications. Since then, AstroNova has grown to provide both end-user solutions as well as custom-designed OEM solutions for high-speed digital printing in a wide range of industries. We have a proven track record as a pioneer with patented technology, focusing on engineering advancements in digital color printing.

Since those early days, AstroNova has accelerated the adoption of new printing and data handling technologies to provide innovative, cutting-edge OEM products for an even more comprehensive range of applications and industries. Today as a global leader in data visualization technologies, AstroNova is recognized as a Tier 1 Supplier to some of the world's leading manufacturers.

Integration of the **T3-OPX,** companies were able to develope a customized conveyor transport system for products like bags, wooden boxes & much more.

Integration of the **T2-C** Print & Apply system combined a smartly designed peel edge with specialized firmware and electronics where each label is presented and picked up by the applicator arm to then apply to the cartons.

The AstroNova Difference

AstroNova teams up with our OEMs to optimize our technologies to best fit their needs developing creative and flexible solutions for high-quality, cost-effective printing. Developing an end-to-end printing solution can be a complex undertaking. AstroNova's team of design, application, and support engineers has decades of experience. They are there through every step of the process to help you make the right decisions, ensuring your success.

- **OEM Focused:** AstroNova's label and direct-to-package printing technologies are developed with the OEM in mind. Options range from compact, self-contained modules to highly customized print and packaging solutions, including automation, custom user/software interfaces, and ease of serviceability.

- **Total Solution Provider:** As a global leader, AstroNova is committed to providing best-in-class customer and technical support to its OEMs throughout system development and beyond. Our one-stop-shop approach minimizes the need to qualify and manage multiple vendors, and our virtual consultations enable us to provide rapid support cost-effectively and efficiently.

- **Shared Values:** Sustainability is often at the forefront of business concerns today. With our commitment to sustainable printing solutions, we share your goals. We deliver printing solutions that are environmentally responsible and that are adaptable to global regulations for label and packaging printing.

- **Innovation:** At AstroNova, we never stop exploring new ways to help your business thrive. We boast a market-leading portfolio of product platforms covering various sizes, print widths, speeds, resolutions, and other technologies that our dedicated engineers continue to enhance.

Integration of the **T3**, the company developed a unique automated clamping device to hold, move, and rotate the stack of books during printing.
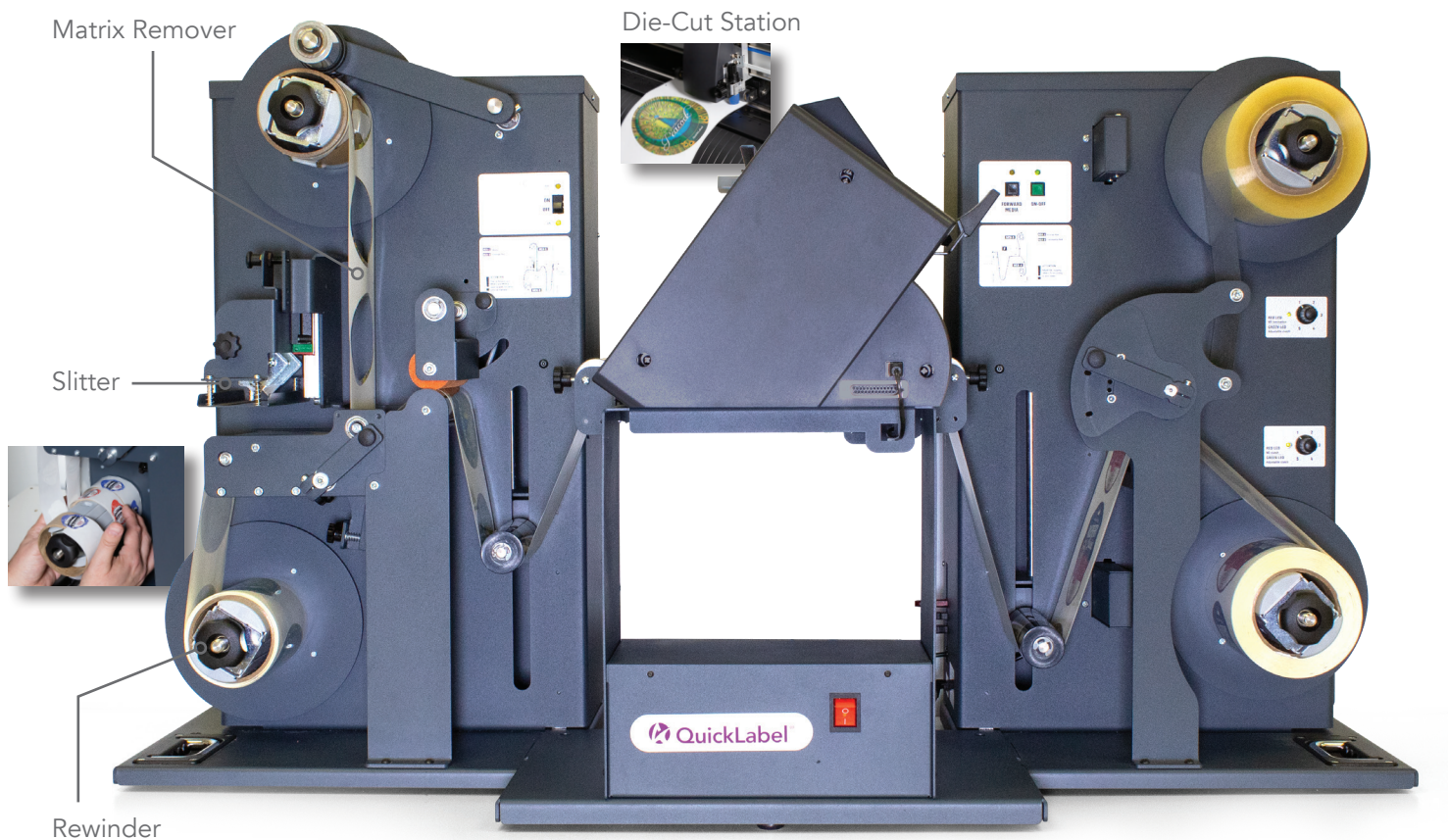
Partner with the Leader

Whether you are an OEM seeking a custom packaging machinery solution or looking to develop a turnkey, in-house label or direct-to-package packaging printing program, AstroNova has the experience and knowledge to ensure your solution delivers results for your business.

LF-100 / LF-200 Label Finisher
All-In-One Laminate & Die-Cut

Matrix Remover

Die-Cut Station

Slitter

Rewinder

The **LF-100** and **LF-200** Label Finisher is a professional, compact, all-in-one desktop finishing system featuring die-cutting and lamination of labels in a single pass. The system features a highly accurate, digital die-cutter to produce professional labels of virtually all shapes and sizes, while optionally applying a laminate to give labels a high gloss and durable finish.

The **LF-100** is designed for 5" web width, while the **LF-200** is designed for 8" web width. Either model offers the user full flexibility and limitless variations to produce attractive and durable finished labels, while complementing your digital printing production.

Features

- Optical camera designed to read only one black mark for each cut layout, optimizing cutting speed and synchronization.

- Media path with ultrasonic sensor to ensure precise media tracking and speed, resulting in precise die cuts.

- Inexpensive, multi-edge blades extend cut life and reduce frequency of replacement.

- Compact, tabletop footprint with clear operator access to load/unload media and monitor finishing operation.

- Windows-based cut manager software for importing die lines from Adobe Illustrator or CorelDraw. Interfaces directly with optical camera to ensure precise, repeatable cut jobs.

Lamination

Technical Specifications

Operation:	LF-100	LF-200
Linear Speed	6.5 ft./min. – 16 ft./min.* (2.0 m/min. - 4.9 m/min.)	
Minimum Slit Width	0.75" (19mm)	
Continuous Mode	Yes	
Roll Diameter	7.87" (200mm)	
Dimensions	46"L x 27"W x 27"H (1,168mm x 686mm x 686mm)	
Power Requirements	100-240VAC, 240W	
Cutting Width	4.88" (124mm)	7.87" (200mm)
Cutting Length	13.77" (350mm)	
Media Width	3.94" - 5.51" (100mm - 140mm)	3.94" - 8.86" (100mm - 225mm)
Laminate Width	Should be 0.25" (6mm) less than total media width	
Slitting Capability	Included, up to 6	Included, up to 8
Weight	220 lbs. (100kg)	440 lbs. (200kg)

*dependent on label size and shape

Matrix remover

Slitter blades

LABEL PRINTING
Accessories

Astronova offers a wide variety of label printing accessories designed to provide the tools you need to create a compact digital label printing center in your office or factory setting.

Label Rewinders

Intelligently control the changing tension as the label rewinds, ensuring a consistent, tightly wound roll that is ready for use on a label applicator. Saving time and reducing waste, our label rewinders roll and apply your finished labels without wrinkling or tearing.

External Label Unwinder

This external device sits behind the label printer, modulating the rate at which the printer takes labels from a much larger label supply, eliminating the need to load your own large capacity of labels and ensuring proper label alignment.

External Control Module

The External Control Module is used to synchronize label printing with your label application process. Providing the functionality necessary to fill the space between the applicator and external device, this module allows you to print a single label, multiple labels or an entire print job at once. Easily integrated with label applicators or other TTL signal interface equipment, our external control module eliminates the need for costly control system programming.

The external control module interfaces with the QL-120

MR-300
Label Matrix Removal System

This system designed specifically for use with the QL-300 color label printer removes excess label matrix and rewinds finished labels into a neat roll to be loaded onto a label applicator or dispenser.
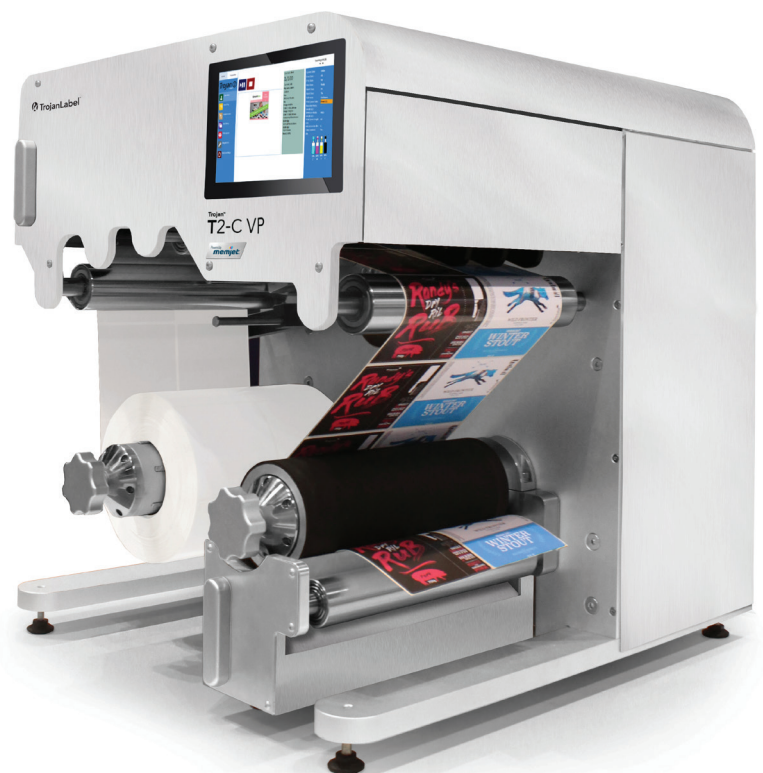
RW-300
Label Rewinder

This label rewinder is designed specifically for the QL-300 color label printer with compatibility features such as optimized self-regulating rewind torque. Save time, reduce waste and prevent wrinkling or tearing on your premium labels up to 6.7" in width.

T2-C Exit Roller

The T2-C Exit Roller option allows the T2-C printed output to be fed directly into in-line packaging equipment such as a label finisher or label applicator, seamlessly integrating your labeling workflow. Exit Roller operation is easily activated from the built-in TrojanControl interface, or from an external device through its I/O port, offering you ultimate flexibility in post-print label processing.

Safer for you.
Safer for food labels.
Safer for the environment.

With a special formulation made of ~70% water, Natura inks are 100% free of reactive and prohibited chemistries and are friendlier to the environment than UV, solvent, or liquid toner inks.

Natura inks are free from: Phthalate esters, benzophenone, bisphenol-A (BPA), SVHCs, heavy metals, and aromatic amines.

3x LIGHT FASTNESS

3x lightfastness
on both glossy and matte coated media for inkjet.

Natura black ink has a much more neutral chroma
this results in better looking mono-only print.

Natura inks have improved GHS classifications
and the warnings they carry are less severe.

3x WATER FASTNESS

3x waterfastness
proven 3x more resistant to the effects of water than similar inks.

Natura inks can be ideal for the top growing categories:*

Refrigerated entrees
Refrigerated and prepared entrées, salads, appetizers, sandwiches, burritos, and sushi.

Frozen desserts
Gourmet ice creams (organic and non-organic), gelatos, Italian ices, and high-end (super-premium) specialty frozen desserts.

Refrigerated juices
Super-premium fresh juices, as well as health drinks, energy drinks, and more.

Frozen meat, poultry, seafood
Organic and premium natural brands.

*Using a functional barrier and/or testing the final product offering for migration can confirm suitability.
natura_food_safe_flyer_061119

LABEL TERMINOLOGY

BS5609

The British Standard for pressure-sensitive adhesive labels used for marine applications

Continuous Material

A process where materials are processed in a continuous flow

Cover Up Label

Used to cover up an existing logo or artwork on a product that's already been labeled. It usually has a black tint, or a black barrier effectively preventing what's underneath from being visible.

Die Cut Material

The process of using a die, a manufactured and specialized piece of metal, to cut a specific shape out of a material

Edge Trim

A small liner only margin located on the edge of the label that is designed to reduce adhesive migration into the printer

Facestock

Any paper or material that can be converted and used to produce the top layer of basic label construction

FDA 175.105

FDA governance ensuring articles intended for use in packaging, transporting, or holding food, are in accordance with regulation

Gap Mark

A type of TOF (top of form) mark that consists of an exposed liner between each label

TYPES OF INK

Dye Inks
The standard ink type used in inkjet printers, dye-based inks absorb into the paper, bind to it and dry quickly

Pigment Inks
Consisting of a fine powder of solid colorant particles, pigment is vibrant in intensity and slower-drying as the ink sits on top of the paper

Toner
Consisting of a dry, powdery substance, toner is a special ink used by copy machines and laser printers

TTR
Works with heat to transfer color pigments from the thermal-transfer ribbon onto a substrate

GHS Label

A Globally Harmonized System of classification and labeling of chemicals

Inkjet Coating

A coating to ensure substrates are print ready

Liner

Also known as a backing or "release liner", carries that die-cut labels to the applicator and releases the adhesive-backed label onto the product

Matrix in Material

A type of media construction that's used with certain printers when edge-to-edge boarderless printing is needed. This particular construction consists of extra border material margin around the die cut label, allowing for over printing on the edges of the label

Moisture-Resistance

The ability of a material to resist absorbing moisture from the air or when immersed in water

PP Label

Short for polypropylene, refers to the material from which these labels are made. These are more durable than most and are both tear-proof and waterproof

Reflective Queue Mark

A type of TOF (top of form) mark, a preprinted black bar that's usually printed on the underside of the liner material

Solvent Exposure

Occurs when a chemical, material, or person comes into contact with a solvent

TOF

Also referred to as, top of form, indicates the start of a label

UV Stability

Materials lacking UV stability can crack or disintegrate due to ultraviolet radiation

Water-Based Dye

An ink type used in inkjet printers where the dye colorant is fully dissolved in water, unlike pigment ink where the particles are suspended in liquid

Water & Abrasion Resistance

The ability of the material to withstand any method of wearing down or rubbing away by means of friction or exposure to moisture

AstroNova®
Product Identification

WORLD HEADQUARTERS

AstroNova, Inc.
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