

# THE NEW

## LABELS FOR ALL INDUSTRIES

Perfect for Food & Beverage, Personal Care Products, Electrical, Hardware, and Plumbing Items, Pharmaceutical, Apparel, Cleaning Products and Chemicals, Automotive Products, Novelty Items, Biomedical, And More!



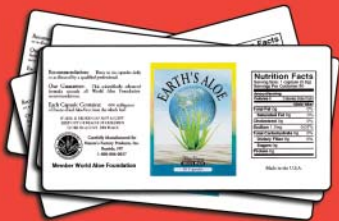
Cleanser & Chemical



Food & Beverage



Automotive



Pharmaceutical



Personal Care

# QLS-4100Xe

digital color label printer



**New Xe Upgrade:**  
FASTER Processing  
MORE Memory  
ETHERNET Connectivity

## QLS-4100 XE FEATURES:

- High Registration & Performance
- 4 Color Spot and Process Printing
- Near Flexographic Quality Printing
- Fast 7 ips Print Speed, Built for High Volumes
- VIP Printing: Variable Information Printing of Images, Color, Text & Barcodes
- Prints Directly from Your PC on a Wide Array of Materials
- Thermal Transfer Technology
- Fully Automatic Ribbon Saver:  
**SAVE UP TO 50% on Ribbon Costs**

## QLS-4100 XE BENEFITS:

- Private Labeling & Mass Customization
- Just-in-time Printing – Cuts Inventory
- Strict Control of Labeling Process
- Color Coding
- Cost-effective Short Runs
- Flexible Production Scheduling
- Flexible and Quick Label Design Changes
- And More!

**QUICK LABEL SYSTEMS**  
AN ASTRO-MED, INC. PRODUCT GROUP

Manufacturing and Perfecting Thermal Transfer Printers Since 1971

# The New QLS-4100 Xe

## Digital Color Label

### Food & Beverage Products

Bottled water, sodas, coffees and teas, condiments, syrups, jellies, dressings, sauces, cheese, meats, and prepared foods of all kinds are ideal, proven applications for the



QLS-4100 Xe. Print labels for marketing distributors, for direct retail sales, or print personalized labels for individual end-users.



### Nutriceutical & Pharmaceutical Products

The QLS-4100 Xe is able to produce labels with fine text to allow easy compliance with FDA labeling requirements. Used with herbal supplements, vitamins, and natural remedies.



### Personal Care Products

Trendy, eye-catching graphic labels complete with ingredients and instructions have been successfully produced by the QLS-4100 Xe for lotions, lip balms, soaps, and shampoos – even products for pampered pets!



### Horticulture & Nursery Products

Ideal applications include printing graphic plant illustrations directly onto pot stakes and container labels. Also ideal for retail hang tags and branded mass merchandiser compliance labels featuring lot, batch, date, barcode, and retail price.



### Advertising Specialties

Fulfill orders in moments with personalized bumper stickers, banner signs, and other products! QLS-4100 Xe prints directly onto magnet material with color images and text.



**This time, we outdid ourselves.** Seven years ago, QuickLabel Systems introduced the first digital variable information color label printer on the market. It was a hands-down success. Large corporations and small businesses stopped paying for commercial label printing and shaved time off order fulfillment. Now, QuickLabel's research and development in printing technology, our experience, and feedback from our users around the world bring you the 5th generation QLS-4100 Xe – the best digital label printer the world has ever seen.

### HERE'S WHAT IS NEW IN THE QLS-4100 XE:

**QuickLabel's Best Image Quality – Ever.** The QLS-4100 Xe's new design maintains control of label and ribbon, producing consistent print quality throughout both long and short runs. Enhanced printing technology takes full advantage of our MicroCell® advanced imaging algorithm for precise color dot placement in the Color QuickLabel® 99 Pro software.

**The Most Economical Color Thermal Transfer Printer – Ever.** The QLS-4100 Xe's new design takes full advantage of an updated RibbonRation system. RibbonRation is QuickLabel's exclusive technology for economizing thermal transfer ribbon. This makes printing cost-effective for both long and short runs.

**QuickLabel's Easiest Printer to Use – Ever.** Legendary QuickLabel process color printing is even more user-friendly with QLS-4100 Xe's new print station configuration and smooth operation. Create and print labels in-house quickly and reliably, without frequent adjustment – just "Set it and forget it."

**QuickLabel's Strongest Printer – Ever.** This is no light-duty, plastic printer. From its rigid 1/2" thick jig plate backbone to its new, larger rollers and extended-life bearings, the QLS-4100 Xe is at home in a production environment. Label after label, job after job, the 4100 Xe meets *your* production demands.



### HERE'S WHAT WE DIDN'T CHANGE:

- The Fastest Color Label Printing in the Industry at 7 Inches Per Second.
- On-Board Processing Power: Built-in Microprocessor for fast "On-the-Fly" processing of graphics, alphanumerics, and barcodes that change on successive labels.
- RibbonRation as Standard Feature: The automatic consumables-saving mechanism that has been relied upon to conserve ribbon – without registration errors or smudging – for years.
- Fonts, Barcodes & Images On-Board: No Waiting for Fonts, Barcodes, & Images. Seamlessly download images and TrueType™ fonts from your PC or build labels with fonts and barcodes on-board the printer.
- Compatibility with Color QuickLabel 99 Pro Software: Updated and improved software allows label design and print management using the "native intelligence" of the QLS-4100 Xe.

### IF YOU PRIVATE LABEL YOUR PRODUCTS...BUY QLS-4100 XE

Private labeled products are increasing sales and profit in all industries. The QLS-4100 Xe gives you rapid production and flexible quantities so you can make money printing value-added store-brand and personalized labels, whether you need 10 or 100,000 labels a day. QuickLabel's economical thermal transfer printing reproduces digital artwork in just minutes. This color label printer is the fastest and most cost-effective way to custom-package products for distribution outlets or direct sales. The advantage is: fast and easy value-added labeling.

# Printer

## IF YOU NEED STRICT PRINTING CONTROL...BUY QLS-4100 XE

Sometimes you're better off getting the job done yourself, especially when you're responsible for meeting strict packaging standards. Instead of outsourcing label printing to commercial printers, manufacturers and distributors now print error-free product labels themselves using convenient QuickLabel color printers. With the QLS-4100 Xe, you too can print product labels *just-in-time* in-house. From your desktop PC. Anytime you want. You can print from digital files in moments. You can even link directly to a database for the ultimate in accurate, automated printing of variable information printing using Color QuickLabel 99 Pro software. The advantage is: quality control, flexible production and same-day order-fulfillment.

## IF YOU ORDER PRINTED LABELS...BUY QLS-4100 XE

Without the QLS-4100 Xe you are forced to order product labels in advance. This adds lead time to production, slowing order fulfillment. And, commercially printed labels require large purchase quantities, leaving you with wasted labels when product specifications or label designs change! With the QLS-4100 Xe, you get the finished labels you want – with all the product information and graphic branding you require – whenever you want them, in the quantity you desire! The advantage is: labels that require no advance set-up time.

## IF YOU PRINT THOUSANDS OF LABELS...BUY QLS-4100 XE

Your facility may use millions of labels a year. But consider: are these millions of identical labels – or thousands of label batches? Sales methods and channels often require new label graphics, branding, and variable data. Seasonal and special promotions, customizations, OEM markings, lot numbers, barcodes, and price elements frequently require new labels. With the QLS-4100 Xe, you get value-added graphic branding, compliance and tracking information in the same single print pass. The advantage is: labels instantly tailored to your marketing plan!

## FOR OUR FACTORY-DIRECT CUSTOMER SERVICE & WARRANTY...BUY QLS-4100 XE

At QuickLabel Systems, customer attention and assistance don't end when you purchase. A QuickLabel printer expert is never more than a toll-free call away, and Technical Support Assistance is available 24 hours a day, 365 days per year. Our technicians provide on-site assistance by service contract. And, when you purchase the QLS-4100 Xe, we invite you to our RI headquarters for 3 days of hands-on instruction in color printing, software, and media selection at QuickLabel College. QuickLabel stands behind its high quality products. We warrant our color printers to be free of defects in workmanship for one year, and our print-heads to be free of such defects for three months or one million inches of printing with QuickLabel brand media, whichever comes first.

## FOR THE CONVENIENCE OF ONE-STOP SHOPPING...BUY QLS-4100 XE

QuickLabel Systems manufactures and sells a complete line of thermal transfer printing supplies for all industries and applications. For excellent printed results, label and tag stocks must be matched with thermal transfer printing ribbons. Our Media Product Specialists are experts on matching the printing characteristics, durability, and availability of all our products – in all combinations – and are available via a toll free phone line to recommend a solution for you. With our deep inventory, we can often provide you with a same-day shipment.



Astro-Med and QuickLabel Systems are system certified to ISO-9001.

## Medical Device Products

Single-use surgical supplies, test kits for research, and other medical products can be labeled with color-codes, data-based information, and branded with color logos and other images. The QLS-4100 Xe prints directly onto Tyvek® packaging materials. Many QuickLabel printing supplies withstand autoclaving, gamma, and EtO sterilization processes.



## Household & Commercial Cleaners

Private Label for Distributors: Offer Products with Distributor Logo & Re-Order Information!  
Private Label for Retailers: Offer Products with "Store Brand" Graphics and Price!



## Industrial & Hardware Products

Attract the eye, build brand-awareness, and communicate sales messages economically with QLS-4100 Xe graphic, color labels on rack pack displays. Quickly and easily add color codes and variable product info like size, gauge, and amperage to displays of hardware, fasteners, power devices and cables. Also ideal for on-package display labels and printed product inserts.



## Tire & Automotive Products

The perfect solution for labeling manufacturer and private brand tires and parts, QLS-4100 Xe combines the impact of graphic branding with required compliance labeling and product tracking information, including TIN (tire identification number), manufacturer, plant, date, size, ply, and UTQGS ratings.



## specifications

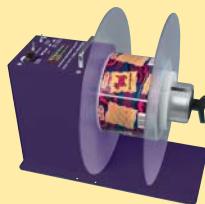
**Printing Method:** Thermal Transfer, Spot and CMYK Process Color  
**Print Stations:** Four printheads  
**Print Speed:** 2" - 7" per second (50mm - 177mm)  
**Resolution:** 300 dpi  
**Registration Accuracy:** ±0.5 dot typical (0.0015", 40 microns)  
**Ribbon Management:** User selectable, patented RibbonRation® system conserves thermal transfer ribbon automatically using air-operated cylinders  
**Maximum Print Area:** *Width:* 5" (127mm); *Length:* 60" (152 cm) with Windows Driver; 30" (126cm) with Color QuickLabel® 99 Pro  
**Thermal Transfer Ribbon Supply:** 4 rolls, each 3,281 ft long (1000m); Spot or CMYK rolls  
**Label/Tag Size:** *Width:* 5.125" Max. (130mm), 2" Min. (51mm); *Length:* 0.395" Min. (10mm)  
**Label/Tag Thickness:** 12 point Max. (0.16", 0.007mm) recommended  
**Label/Tag Roll Capacity:** 12" Max. Outside Diameter (305mm)  
**Fonts:** 7 TrueType™ fonts resident, other TrueType fonts can be downloaded from your PC  
**Resident Barcodes:** All Standard symbologies, including 2 Dimensional  
**Control Panel:** Ergonomic Key Pad for Menu functions, Backlit LCD Display  
**Connectivity:** *Platforms:* PC, AS/400. *Interfaces:* Ethernet, High-Speed Parallel (Centronics) & Serial (RS-232)  
**Software:** Windows® Driver Included; Color QuickLabel 99 Pro Label Creation Suite Optional  
**Color Halftoning:** Printer optimized for MicroCell® dot placement algorithm available in Windows® Driver and Color QuickLabel 99 Pro software  
**Memory:** *Standard:* 128 MB On-board, 32 MB card; *Optional:* Up to 512 MB Memory Card  
**Dimensions:** 24"H x 15.5"D x 36"L (610mm H x 394mm D x 914mm L) **Weight:** 140 lbs. (64kg)  
**Power Requirements:** 120/240 VAC, 60/50 Hz, 6.3/4.0A, 750 Watts  
**Compressed Air:** 1 cfm @ 70 psi required to operate RibbonRation

## QLS-4100 Xe Printer Accessories



### QQL99™ Pro

Enhance the power of your color label printer with QuickLabel's native software package for label creation, design, and printing.



### Label Rewinder

Compact yet robust unit winds printed label material as it exits the QLS-4100 Xe. Rolls are ready for loading onto automatic label applicators.



### Cutter-Stacker

Cuts label and tag material as it exits the QLS-4100 Xe and conveniently stacks onto tray. Adds flag to separate batches.



### Care Label and Tag Cutter

Automatically cuts label and tag material to desired length as it exits the QLS-4100 Xe. Ideal for cutting material from continuous roll.

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## More Labeling Solutions from QuickLabel Systems



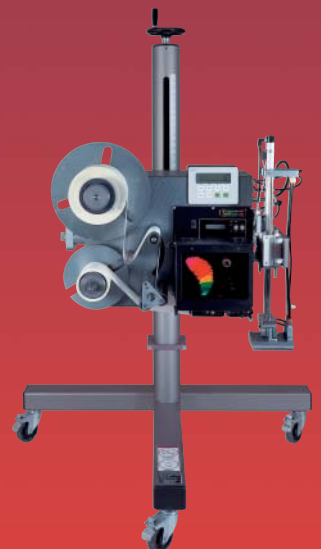
### AD-2800 Bottle Labeling System

High-speed, accurate wipe-on label application to bottles and cylindrical products. Registration: ±.03", Speed: 24 ips.



### QLS-3000

Three color thermal transfer label printer prints labels with CMY process or spot colors. Other models available for two-sided and two-color printing.



### CPA-350 Print and Apply

Flexibility of three production settings, three application methods, and five print engines. Fast and Accurate.