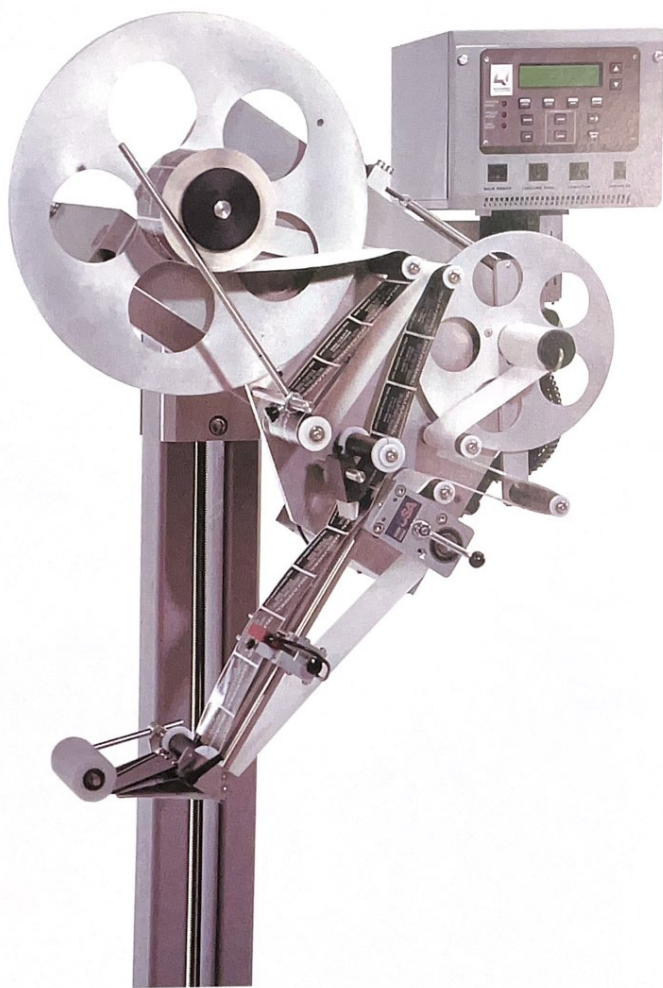


Q SERIES LABELER

Q60 HIGH SPEED LABEL APPLICATOR



HEAVY-DUTY DESIGN

This heavy-duty, wipe-on pressure-sensitive labeler features a state-of-the-art microprocessor and a high speed, stepping motor drive.

The Q60 delivers speeds of 1200" (30m) per minute or 250 products per minute with $\pm 1/32$ " (1mm) dispensing accuracy.

With the high speed drive option, label dispensing speeds of up to 2400" (60m) per minute are possible.

ADVANCED TECHNOLOGY

The high-torque, digital stepping motor eliminates the cost and down-time of clutch/brake wear components while delivering extremely fast labeling rates and precise label placement.

PROGRAMMABLE ELECTRONICS

The M2 microprocessor directs and monitors all functions of the labeling head, including missing label on web detection. With memory for 50 label presets, the M2 easily accommodates a wide variety of options and is available with automatic line speed compensation.

The remote electronics enclosure permits easy access for service while protecting components in harsh environments.



QUADREL
LABELING SYSTEMS

M2 MICROPROCESSOR CONTROL

- Memory for 50 label format presets
- Password protected operation
- Onboard diagnostics
- Display in either English or Metric units
- Product counter, label counter, elapsed hour meter, dispense speed and product per minute display
- Soft-touch keypad
- Rate compensation synchronizes label to changing line speeds
- All electronics are remote-mounted for convenient service and minimal risk of exposure to moisture

STEPPING MOTOR DRIVE

- Increases speed and accuracy
- Minimizes downtime/maintenance
- Eliminates clutch/brake wear components

HEAVY-DUTY DESIGN

- Rugged stainless steel/aluminum construction
- Precision, sealed bearings
- Outboard supported label drive for long-term reliability
- Dependable performance in harsh environments
- 16"(406mm) unwind for less frequent roll changes

SPECIFICATIONS

Size: 30"(762mm) width x 32"(813mm) length x 20"(508mm) height

Approximate Net Shipping Weight: 100 lbs. (45kg)

Actual Labeling Rate: Dependent upon label length and product size (up to 250 products per minute)

Accuracy: $\pm \frac{1}{2}$ " (1mm) @ Sigma 2

Dispensing Speed: Variable, up to 1200" (30m) per minute (2400" [60m] optional)

Label Dimensions:

- Maximum width = 4"(111mm) [6"(174mm), 9"(251mm) optional]
- Maximum length = required length
- Minimum width = $\frac{1}{2}$ " (13mm)
- Minimum length = $\frac{1}{2}$ " (13mm)

Roll Capacity: 16" (406mm) O.D. on 3" (76mm) I.D. core

Web Width: 4"(114mm) [7" (177mm), 10" (254mm) optional]

Label Format: Die cut, waste removed (minimum $\frac{1}{8}$ " [3mm] between labels)

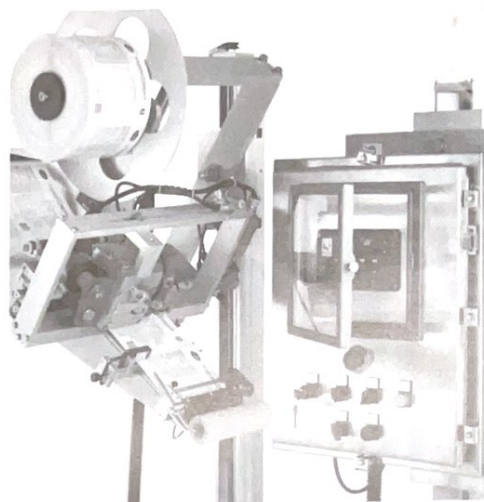
Label Sensing: Photoelectric

Utilities: 115/220VAC, 50/60Hz, 5AMPS@115VAC

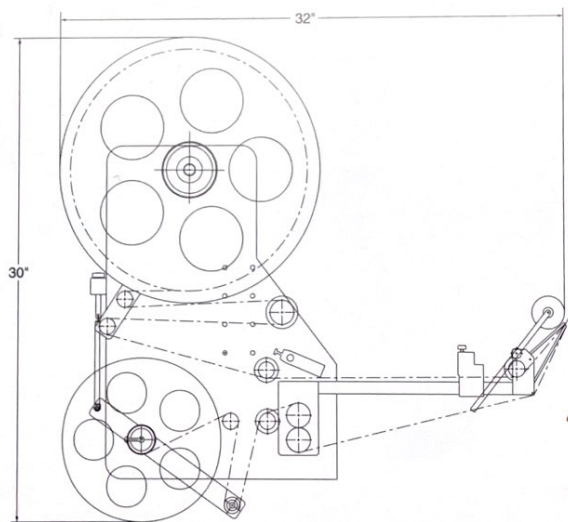
OPTIONS*

- Recommended spare parts kit
- Right or left-hand versions
- Line speed compensation (requires optional encoder package)
- Low label detection
- End-of-web detection
- Broken web detection
- Adjustable support stand
- Hot stamp imprinter
- Missing imprint detection on label
- Loose-loop thermal transfer printers
- Tamp unit

*CONSULT FACTORY FOR CUSTOM CAPABILITIES



Q60 with Hot Stamp Imprinter and NEMA 4X Electronics



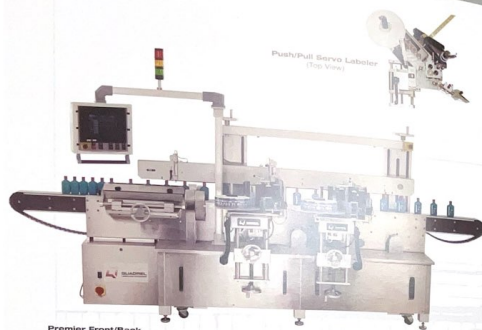
QUADREL
LABELING SYSTEMS

7670 Jenther Drive, Mentor, Ohio 44060

440-602-4700 • Fax: 440-602-4701

E-Mail: labeling@quadrel.com • www.quadrel.com

PREMIER



Premier Front/Back

Premium quality 24/7 labeling system For the ultimate in speed and performance, the PREMIER sets a new standard for pressure-sensitive labeling. Specifically designed to meet the stringent demands of today's high speed, multi-shift operations. Premier comes standard with environmentally sealed "non-proprietary" PLC controls and color touch screen. In addition, Premier features oversized gear boxes and 1" diameter line shafts for reliable non-stop performance in the harshest environment.

Premier will apply paper or the new thin film "no label lock" pressure-sensitive labels to a wide variety of oval, rectangular or cylindrical containers at speeds up to 400 products per minute with ± 1 -5mm accuracy. Premier is available in any number of configurations including front/back, wraparound as well as custom.

Push/Pull Servo Labeler
(Top View)



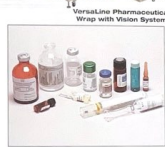
VERSALINE



VersaLine Front/Back

Versatile, high performance labeling system VERSALINE is a heavy-duty, cabinet base labeling system available in configurations of front/back, top, side, bottom, wraparound or any combination. VersaLine is now available with all non-proprietary "off the shelf" controls, specifically Allen Bradley PLC and color touch screen operator interface. This allows for data highway communication and factory standardization, as well as more flexibility and independence for the end user.

The VersaLine cabinet base pressure-sensitive labeling system combines robust construction and cutting edge technology to set a new standard for pressure-sensitive product decoration.

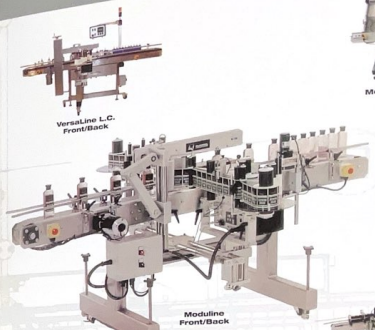


VersaLine Pharmaceutical
Wrap with Vision System



VersaLine
Pharmaceutical Wrap

MODULINE



ModuLine
Front/Back



VersaLine L.C.
Front/Back



ModuLine Pharmaceutical
Vial Labeler



ModuLine
Wrap

Compact, flexible labeling system MODULINE is a high-quality, economically priced pressure-sensitive labeling system that may be configured for front/back, wraparound, top or custom applications. The M1.5 menu-driven microprocessor control features a soft-touch keypad, memory for 20 label presets, onboard diagnostics and label/product counters. In addition, ModuLine features Encoder based speed compensation and all-stainless steel construction.

ModuLine's quality surpasses all equipment in its price range with performance rivaling much more expensive systems.



QUADREL

THE FUSION OF TECHNOLOGY & PERFORMANCE

INLINE SYSTEMS

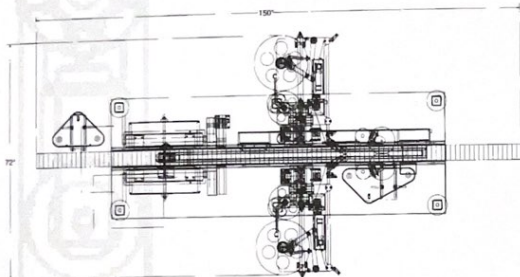
Creative Design Pressure-sensitive labeling is the fastest growing package decoration technology in the world. New base materials and printing technologies are challenging the imagination of Package Marketers and Engineers around the world. Quadrel matches the creativity of today's packagers with innovative, technically-advanced labeling solutions.

Innovative Solutions Extensive engineering capabilities provide maximum flexibility for standard and custom applications, as well as ongoing research and development. A broad range of labeling systems are offered from simple automatic systems to the most sophisticated rotary and in-line systems with validation.

Systems Support Responsive, professional technical support is vital to maintaining the productivity of machinery in the field. Quadrel keeps this commitment by providing world class technical assistance for installation, maintenance and training. A fully stocked computer cataloged parts department provides 24-hour delivery on most spare parts.

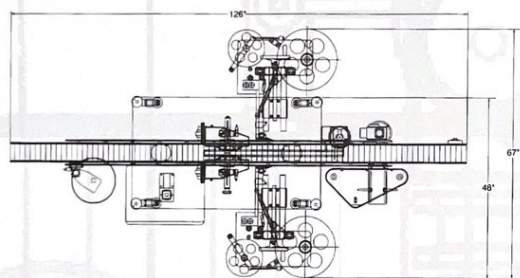


TECHNICAL DATA



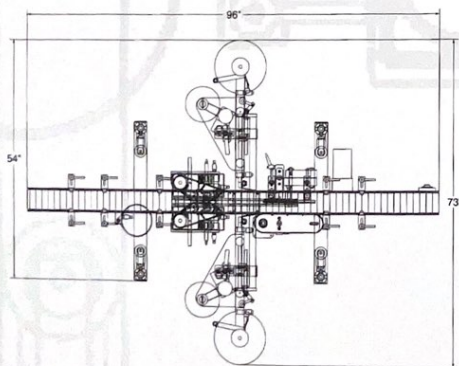
PREMIER:

- Variable speed digital AC inverter drive coupled to 1 1/2 HP AC drive motor and shaft-driven product handling ensures optimum speed/torque performance
- Up to 4 servo or stepper-driven applicators provide high-speed labeling without wear components
- Non-proprietary Allen Bradley PLC controls with touch screen
- Speed: Up to 400 products per minute (dependent upon label/product dimensions)
- Applied Accuracy: Up to +/- .5mm @ Sigma 2
- Web width: 4 1/2" (114mm), 7" (177mm) or 10" (254mm)
- Unwind: 16" (406mm) O.D. standard, 3" (76mm) I.D. core/dual 20" remote unwind (optional)
- Utilities: 200/208V AC/Single Phase/60 Hz



VERSALINE:

- Non-proprietary Allen Bradley PLC controls with touch screen or menu driven microprocessor with 50 label presets
- Encoder-based speed compensation automatically synchronizes the labeler to the system's product handling
- Up to 4 servo or stepper-driven applicators provide high-speed labeling without wear components
- Speed: Up to 300 products per minute (dependent upon label/product dimensions)
- Applied Accuracy: Up to +/- .5mm @ Sigma 2
- Web width: 4 1/2" (114mm), 7" (177mm) or 10" (254mm)
- Unwind: 16" (406mm) O.D. standard, 3" (76mm) I.D. core
- Utilities: 200/208V AC/Single Phase/60 Hz



MODULENE:

- Microprocessor control with memory for 20 label presets, product/label counters and onboard diagnostics
- Encoder-base speed compensation automatically synchronizes the labeler to the system's product handling
- Stepper-driven labeling head provides long-term reliability without wear components
- Speed: Up to 180 products per minute (dependent upon label/product dimensions)
- Applied Accuracy: Up to +/- .5mm @ Sigma 2
- Web width: 4 1/2" (114mm), 7" (177mm) or 10" (254mm)
- Unwind: 12" (304mm) O.D. standard, 3" (76mm) I.D. core
- Utilities: 200/208V AC/Single Phase/60 Hz



QUADREL
LABELING SYSTEMS

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