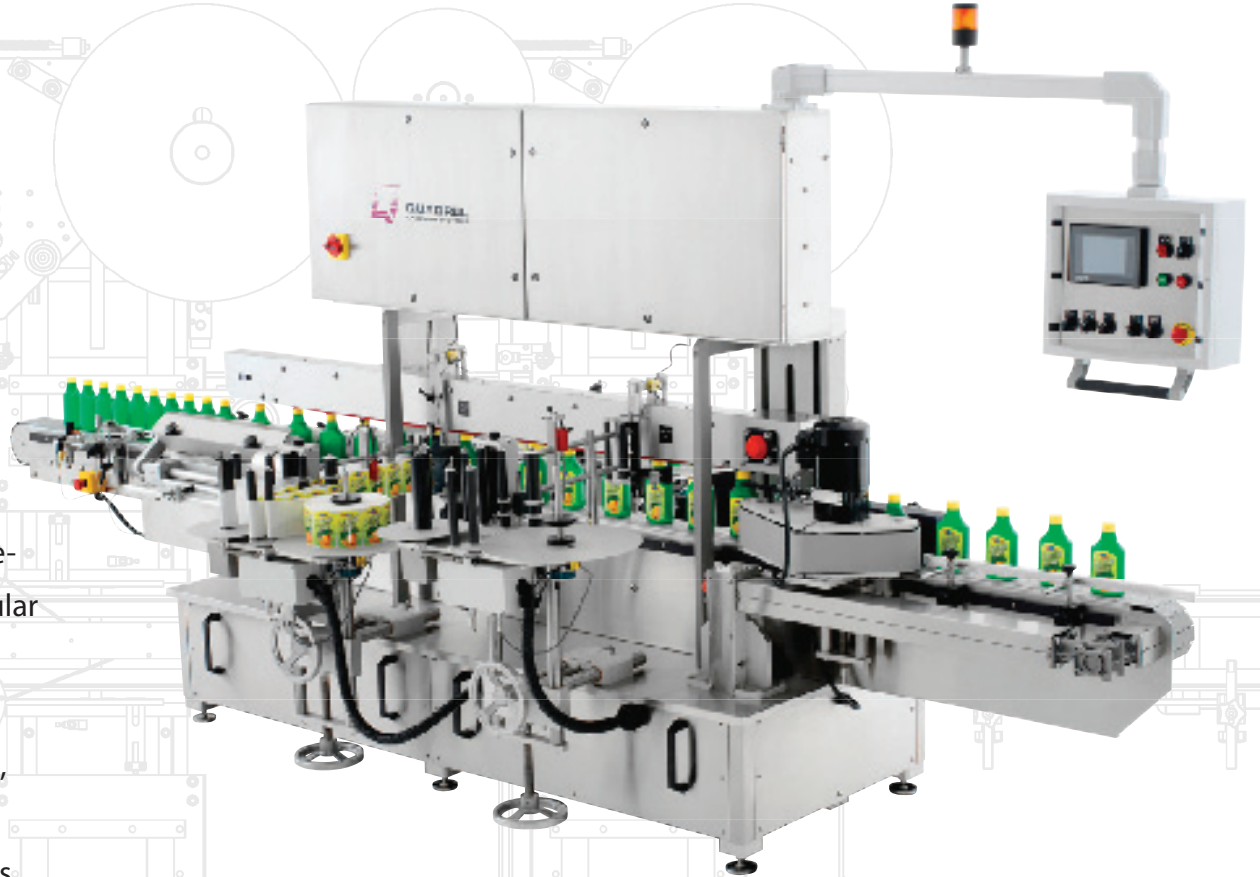


## PREMIER® Extreme Duty Labeling System

This premium quality, inline labeling system sets a new performance standard for pressure-sensitive labeling. The Premier labeling system was specifically designed to provide reliable 24/7 performance in the harshest environments.

This system will apply paper or clear film pressure-sensitive labels to a wide variety of oval, rectangular or cylindrical containers at speeds up to 400 products per minute with  $\pm 0.5\text{mm}$  accuracy. Available configurations include front/back, neck, full wrap or custom. The machine shown features optional redundant labeling heads for continuous



- Customer specified PLC platforms (Allen Bradley®, Siemens®, and others)
- Color touchscreen operator interface with password protection
- 50 programmable product profile presets
- Digital AC inverter motor drives
- Q60 labeling heads with Emerson® servo drive motors
- Choice of Chain Alignment or Feed Screw bottle handling
- Stainless steel conveyor sidewalls

[www.quadrel.com](http://www.quadrel.com)  
440-602-4700

## QUALITY / FLEXIBILITY

The Premier labeling system comes standard with “non-proprietary” Allen-Bradley PLC control and color touch screen HMI (Human Machine Interface).

Design features include stainless steel construction and direct drive product handling. Product infeed is controlled by self-powered clutched feed screws; this eliminates the need for stop gates and insures a smooth, jam-free product transition at high speeds.

Precision 4-axis head supports with position indicators insure fast, accurate and repeatable product changeovers.

## ADVANCED CONTROLS

Allen Bradley® controls enable the option to connect the Premier to an existing production DeviceNet. Instant real time system status and machine coordination are now possible with this Ethernet connection.

## FEATURES:

### PRODUCT HANDLING

- Electronics platform: Allen Bradley PLC and touch screen with intelligent servo label drive
- Digital AC frequency inverter control conveyor
- 4-1/2" width X 120" length conveyor
- Digital AC inverter controlled wrap station for round containers (available in 12", 18", or 24" lengths)
- Choice of variable pitch feed screw drive unit or mechanically integrated chain aligners
- Servomotor controlled top hold down conveyor with spring loaded belt
- Speed: Up to 350 products per minute (dependent upon label/product dimensions)
- Applied accuracy: Up to +/-1/32"(1mm) @ Sigma 2
- Maximum product height: 14"(356mm)
- 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

### Q60 LABELING HEADS

- Web Width: 7"(177mm) or 10"(254mm) optional
- Unwind: 16"(406mm) O.D. standard, 3"(76mm) I.D. core
- Labeling Head Accuracy: ±.5mm @ Sigma 2
- Electronics: Allen Bradley PLC, Encoder-based automatic speed compensation
- Dispensing Speed: 2200"(55m) per minute, 3000"(76m) drive also available.

## OPTIONS

- Low label detection
- End-of-web detection
- Broken web detection
- Missing label on web detection
- Missing imprint detection
- Hot stamp imprinter
- Missing label on product with ejection
- Bar code verification with product ejection
- Vision systems
- Additional labeling heads
- Zero-downtime crossover capability

### Product Handling:

- 4-1/2"(114mm) width x 203.8"(5.17m) length conveyor
- Wrap stations for round containers available in 12"(304mm), 18"(457mm) or 24"(609mm)
- Also available: Powered impressors, indexing unit and horizontal or vertical turn conveyors

### Labeling Head:

- Left or Right-hand versions
- Low label detection
- End-of-web detection
- Broken web detection
- Thermal Transfer, Laser, or Hot stamp imprinter
- Clear label detection
- Powered waste rewind assembly
- 20" label unwind capacity
- Push-Pull label drive
- Consult factory for others

