

## PROLINE® 4000

### Technically Advanced High Performance Labeling System

This premium quality labeling system sets a new standard for pressure sensitive product decoration. The ProLine labeling system was designed specifically for packagers that require globally supported, internationally compliant factory standardization. Features include full guarding, servo driven top hold down and labeling stations, open architecture non-proprietary PLC controls and color touchscreen HMI.

All electronics are safely mounted above for ease of service and protection from harsh environments.

This system applies paper or film labels to a wide variety of oval, rectangular, cylindrical and uniquely shaped containers at speeds up to 400 products per minute with  $\pm 1/32$ " accuracy.



- Internationally compliant guarding
- Overhead mounted electronics
- Allen-Bradley® PLC control with color touchscreen
- 50 programmable product presets
- Servo driven top hold down conveyor
- Servo driven labeling stations
- AC inverter control product handling

# CAPABILITIES

## INTERNATIONAL STANDARDS

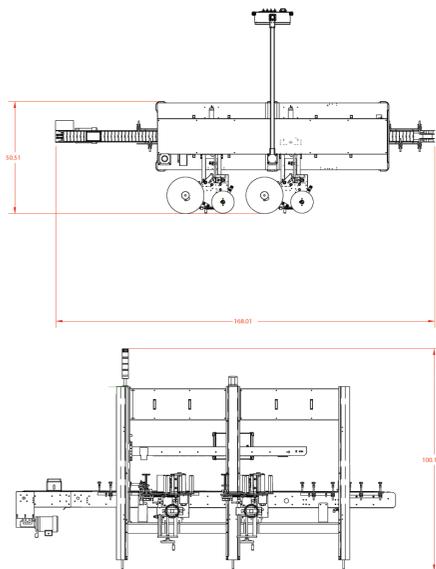
The ProLine labeling system features full internationally compliant guarding, stainless steel construction, overhead mounted electronics, servo driven top hold down and servo driven labeling stations.

Product infeed is controlled by 'no change parts' product alignment or self-powered electronically controlled feed-screws. This unique feedscrew drive eliminates the need for stop gates and ensures a smooth, jam-free product transition at high speeds.

The ProLine labeling system is available with up to six labeling stations for zero down time operation in most applications.

## ADVANCED CONTROLS

The ProLine labeling system features open architecture PLC control with color touchscreen. This system is capable of being connected to an existing production Ethernet connection providing instant real time system status and machine coordination.



## STANDARD FEATURES

### SYSTEM

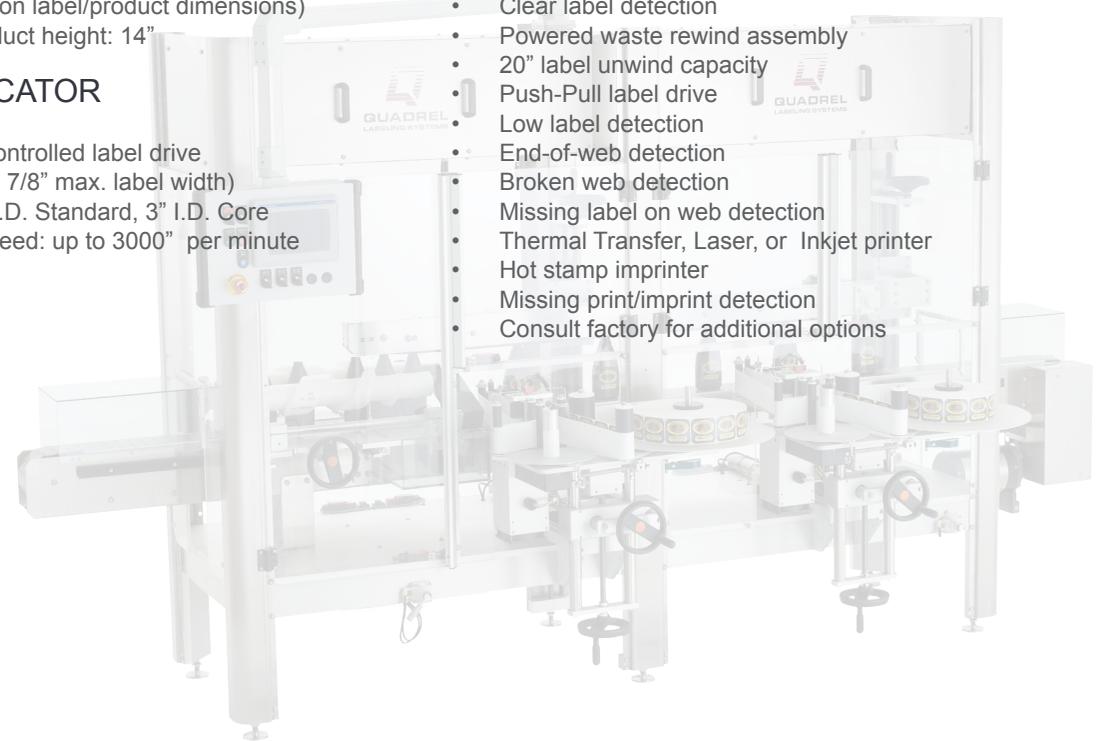
- AC inverter controlled main conveyor
- Conveyor dimensions: 4-1/2" width x 120" length x 34" (+/- 2") height
- AC inverter controlled wrap station for round containers (available in 12", 18", or 24" lengths)
- AC inverter controlled variable pitch feed screw drive unit
- Applied Accuracy:  $\pm 1/32"$  @ Sigma 2 (exclusive of product variation)
- Spring loaded, servo driven top hold down conveyor
- Speed: Up to 400 products per minute (dependent upon label/product dimensions)
- Maximum product height: 14"

### LABEL APPLICATOR

- Servo motor controlled label drive
- 7" wide web (6 7/8" max. label width)
- Unwind: 16" O.D. Standard, 3" I.D. Core
- Dispensing Speed: up to 3000" per minute

## OPTIONS

- Missing label on product with ejection
- Bar code verification with ejection
- Customer specified Vision systems
- Up to six labeling stations
- Zero-downtime crossover capability
- Wrap stations for round containers available in 12", 18" or 24"
- AC Inverter controlled 'no change parts' product alignment
- Powered impression
- Label orientation indexing unit
- Horizontal or vertical trunnion conveyors
- 10" wide web (9 7/8" max. label width)
- Clear label detection
- Powered waste rewind assembly
- 20" label unwind capacity
- Push-Pull label drive
- Low label detection
- End-of-web detection
- Broken web detection
- Missing label on web detection
- Thermal Transfer, Laser, or Inkjet printer
- Hot stamp imprinter
- Missing print/imprint detection
- Consult factory for additional options



**QUADREL**  
LABELING SYSTEMS