

PROLINE®

Technically Advanced High Speed Vertical Roller

ProLine was designed to provide ultimate speed performance in the harshest environments. This system was specifically designed for high volume packagers of bottled water containers. Unlike conventional wrap systems, the vertical roller system uses four points of bottle contact to square and align the surface of the container to ensure label spiral is minimized. Production rates up to 300 ppm with a $\pm 1/32$ " accuracy are possible with this system.

The ProLine Vertical Roller labeling system includes features such as a servo driven feedscrew, Allen-Bradley® PLC control, color touchscreen HMI and servo driven label applicator.



- Suitable for harsh / multi- shift environments
- Allen-Bradley® PLC control with color touchscreen HMI
- On board diagnostics
- 50 programmable product presets
- Encoder-based speed compensation
- AC inverter control product handling
- Designed for unstable, thin walled, cylindrical containers

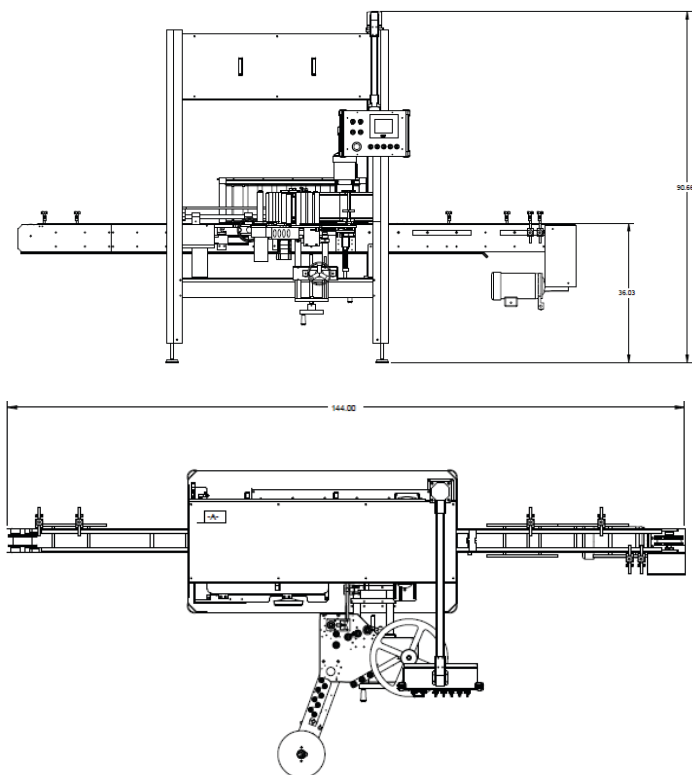
Capabilities

QUALITY / FLEXIBILITY

ProLine suitable for multi-shift operations where long-term reliability is important. All critical components are designed with 24/7 reliability.

ADVANCED CONTROLS

The ProLine vertical roller features Allen-Bradley® PLC control with color touchscreen HMI. Equipped with servo driven label applicators that provide unsurpassed speed accuracy. Instant real time system status and machine coordination are now possible with this Ethernet connection.



STANDARD FEATURES

SYSTEM

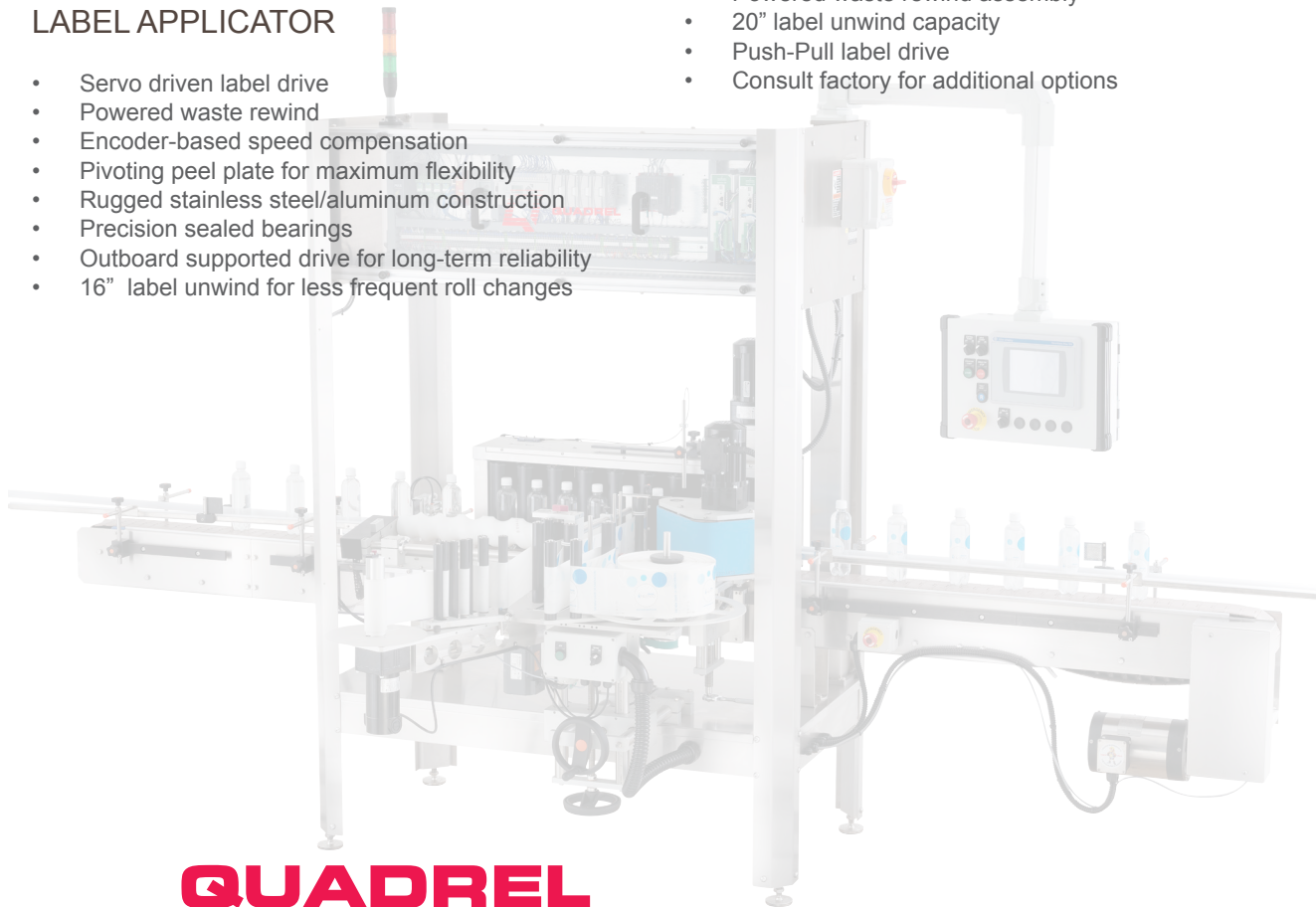
- Allen-Bradley® PLC and touch screen HMI
- 4-1/2" width x 144" length conveyor
- Sealed electrical enclosure
- Production Rate: Up to 300 products per minute (dependent upon label/product dimensions)
- Applied Accuracy: Up to $\pm 1/32"$ @ Sigma 2 (exclusive of product variation)
- Standard product pitch: 3.35"

LABEL APPLICATOR

- Servo driven label drive
- Powered waste rewind
- Encoder-based speed compensation
- Pivoting peel plate for maximum flexibility
- Rugged stainless steel/aluminum construction
- Precision sealed bearings
- Outboard supported drive for long-term reliability
- 16" label unwind for less frequent roll changes

OPTIONS

- Full system guarding with Interlock
- Missing label on product with ejection
- Bar code verification with ejection
- Customer specified vision systems
- 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 additional options



QUADREL
LABELING SYSTEMS