PROLINE® Labeling System

PROLINE® Technology/Performance

This premium quality labeling system sets a new standard for pressure sensitive product decoration. The ProLine labeling system was designed specifically for today’s packagers requiring globally supported, internationally compliant factory standardization. Standard features include full guarding, servo driven top hold down and labeling stations, open architecture non-proprietary PLC control and color touchscreen HMI*. All electronics are safely mounted above for ease of service and protection from harsh environments. This system applies paper or clear film labels to a wide variety of oval, rectangular or cylindrical containers at speeds up to 400 products per minute with ±1mm accuracy.

*Human Machine Interface

- Internationally compliant guarding
- All overhead mounted electronics
- Customer specified PLC platforms (Allen Bradley®, Siemens®, etc.)
- Color touchscreen operator interface with password protection
- 50 programmable product profile presets
- Emerson® servo driven top hold down conveyor
- Emerson servo driven labeling stations
- Digital AC inverter motor drives
- Choice of Chain Alignment or Feed Screw bottle handling

www.quadrel.com
440-602-4700
INTERNATIONAL STANDARDS
The ProLine labeling system features full internationally standard guarding, stainless steel construction, overhead mounted electronics, servo driven top hold down and labeling stations.

Product infeed is controlled by “no change parts” product alignment or self-powered clutched feed screws. The clutch feed screws eliminate the need for stop gates and ensures a smooth, jam-free product transition at high speeds.

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

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

ADVANCED NON-PROPRIETARY CONTROL
The ProLine labeling system features open architecture PLC control with color touchscreen HMI. ProLine is capable of being connected to an existing production DeviceNet Ethernet connection, which provides instant real time system status and machine coordination.

STANDARD SPECIFICATIONS

PRODUCT HANDLING
- AC inverter controlled main conveyor with 3/4 HP drive motor
- 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)
- Choice of AC inverter controlled variable pitch feed screw drive unit or AC inverter controlled chain alignment
- Spring loaded, Emerson servo motor controlled top hold down conveyor
- Speed: Up to 400 products per minute (dependent upon label/product dimensions)
- Maximum product height: 14"(356mm)

Q60 LABELING STATION
- Emerson servo motor label drive
- Web Width: 7"(177mm) or 10"(254mm) optional
- Unwind: 16"(406mm) O.D. standard, 3"(76mm) I.D. core
- Applied Accuracy: ±1mm @ Sigma 2
- Dispensing Speed: up to 3000"(55m) per minute

SYSTEM 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

PRODUCT HANDLING OPTIONS
- Consult factory for custom conveyor dimensions
- Wrap stations for round containers available in 12"(304mm), 18"(457mm) or 24"(609mm)
- Powered impression
- Label orientation indexing unit
- Horizontal or vertical trunion conveyors

LABELING STATION OPTIONS
- Web Width: 10"(245mm) or 12"(294mm)
- 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, Inkjet or Hot stamp imprinter
- Missing imprint detection
- Consult factory for others