

## Compact 3R

### DESCRIPTION

The **Compact 3R**, (Three Roller - Wrap Labeller) provides a quality wrap application of labels onto cylindrical containers. The key advantage of this style of machine is the quality of application, full wrap labels can be overlapped with perfect alignment\*. This is also the machine you require when you are trying to achieve that "No Label Look". The labels can be partial or full wrap, spot or front and back labels. The machine can be operated in an existing line or as a Stand-alone unit. The 3R machine has one labelling head and allows for future expansion to the 3R2 (2 labelling heads), as against the 3RS machine which has no capability of growth.

\* Product Dependent



### EXAMPLE APPLICATIONS

- Wine Bottle Labelling - front & back, full wrap or add spot labels to pre-labelled bottles
  - . 3R - Front & Back labels printed alternately on one web; or overlapping
  - . 3R2 - Front & Back labels can be on separate webs; Front & Back labels printed alternately on one web and overlapping (or spot labeling)
- Aerosol Can Labeler - with label/s oriented to seam, spot, full or partial wrap
- Plastic Bottle Labelling - with full wrap label - where label alignment is critical
- Poison or Embossed Bottles - with orientation to embossing
- Soft sided bottles - maintaining good control

### PROCESS

The standard machine consists of a 2.4M x 900mm high conveyor. On pressing Run the conveyor starts, the products once on the conveyor will travel until they come in contact with the variable speed Star wheel, the products are then released at intervals set by the operator. The product then travels until it is gripped by the pneumatic ram that pushes it against a rubber roller, at this point the product is spinning on its own axis and 1 or multiple labels can be dispensed. Optionally, a sensor can pick up, the seam of a tin, embossing on a bottle, an existing label, a specific colour on a label, at which time a label can be placed in relation to the detected item. These are just some samples of what can be detected and labels registered to, contact us for specific requirements. Once the label/s are wrapped onto the product the ram of the 3-roller unit releases and the product continues down the conveyor.

NOTES:

### **Compact Labelling (Thailand) Co., Ltd.**

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## **Compact 3R**

### TECHNICAL DATA

#### **Specifications**

Conveyor Length	from 2400mm
Conveyor Height	900mm
Overall Dim'	W1200xD900xH1650
Power Requirements	240V & Air

#### **Capacity**

Label Roll Diameter	380mm - 76 Core
Product Diameter	Min' 20mm - Max' 115mm
Label Size	Min' 15mm x 15mm*
Label Height	Max' 180mm - Opt' 250mm
Label Length	Max' 800mm
Throughput	up to 70 per minute*

\* Product & Label Dependent

NOTES:

### FEATURE LIST

- Uses the reliable Compact Labelling Head and controller - ensuring Ease of set up
- Full Synchronised speeds - incorporating German Stepper Motors on the labelling heads and AC Brushless motors on all other drives
- Pneumatic Gate Product Spacing with Bank-up sensor
- 3-Roller Device - Speed synchronised to match all other moving devices, leaves operator little to set, while Universal bearings in the rubber rollers allows adjustment for non-perfect bottles without any loss of gripping credibility
- Robust, heavy duty construction – the machine is designed for years of trouble free and maintenance free productivity. No lubrication or awkward adjustments are required
- Easy to set up – within a couple of minutes a new job can be set up and running, increasing productivity immediately
- Simple to operate – almost no skill or training is required to obtain an excellent result
- Economical design incorporating high reliability and low maintenance

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## **Compact 3R**

### **Field Upgradeable OPTIONAL Devices**

- Capacitance Scanner - for detecting Clear labels
- Over and Spot Labelling – detecting an existing label and adding a new label is straightforward and uncomplicated
- Registration Labelling – Places labels relative to seams of cans & registration marks on containers
- Poison and Embossed Containers - Places labels relative to poison marks and embossed glass or plastic

### **Factory Fitted OPTIONAL Devices**

- Hot Foil Printer or Thermal Printer – for printing use by/batch codes or bar codes
- Motorised Rewind Units - using AC Brushless motors for no maintenance to rewind full roll of backing paper
- Conveyor Lengths - 1.2M (3RS), 1.8M, 2.4M, 3.0M, 3.6M, 4.8M
- Slightly Tapered bottles or containers can be labelled (bottle/label dependant)
- Additional labelling head will turn a 3R machine into a 3R2
- 3R2 - Additional sensors will allow Tandem (Non-Stop) operation - 3RT
- Product Spacing Devices - Std Pneumatic Gate - Opt' = Pad, Star wheel

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