

4VAL – Tray to Tray Labelling Systems

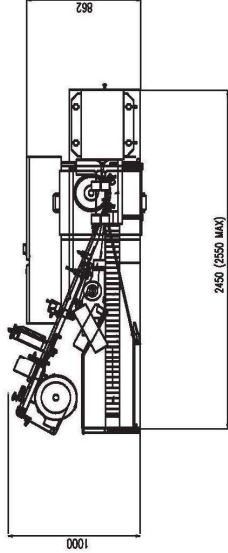
A labelling system designed to apply both clear and paper self-adhesive labels to a range of rigid cylindrical containers.

- Outputs up to 200 c.p.m
- Virtually no change parts
- Highly accurate label placement – drum applicator
- Numerous options to suit budget and specification





4VAL – Tray to Tray Labelling Systems



Description

The 4VAL labelling system is designed to apply both clear and paper self-adhesive labels to a range of rigid cylindrical containers. GMP design and robust construction ensures efficient operation. Infinitely variable speed control allows labelling in excess of 200 containers per minute.

The well proven 4VAL container handling system is specifically designed for handling unstable containers e.g. ampoules, vials, syringes and cartridges.

Operation

Typically, the containers to be labelled are supplied in trays which can be manually loaded at the infeed of the machine with labelled products being automatically reloaded onto empty trays at the outfeed.

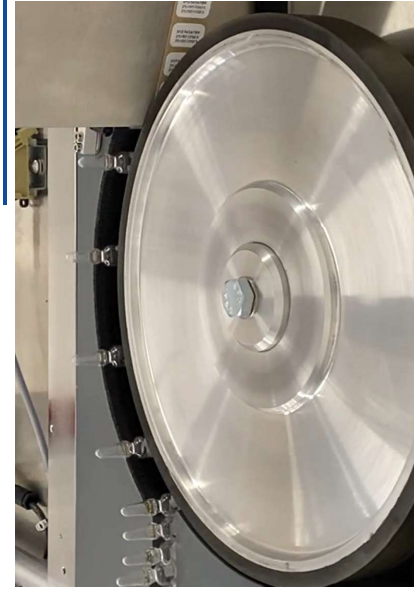
Each individual container is detected at the labelling point as it passes beneath a sensor, at which point the label feed is activated. The leading edge of the label is driven off the backing web at a linear speed which matches the container speed; this ensures smooth, accurate placement on the container surface. The container, gripped between an applicator drum and presser pad, is controlled as the entire label is pressed firmly in place, ensuring high registration accuracy.

Features

- Stainless steel construction
- Interlocked guarding
- cGMP design
- Full variable speed drives
- Jacking wheel adjustment
- Simple container change
- Accurate label placement
- Colour touch screen HMI
- Full counter package
- Siemens or Allen Bradley PLC controls

Options

- Hot foil, thermal transfer laser, and inkjet printing options
- Missing overprint detector to stop machine
- Missing label detector to stop machine Bar code reading systems
- Vision Systems
- Validation documentation package and implementation
- Easiplice 470 module enables reel changes without labelling downtime
- Double label feed inhibitors
- End of label reel detection
- Ultrasonic sensors for paper and clear labels



Standard Specification

Container Diameter	8mm–50mm
Label height	12 – 100mm
Label width	25 – 160 mm
Min. height to bottom of label	1mm
Max. label reel diameter	300mm
Min core Diameter	45mm
Tray size	400 x 180mm
Electrical supply	230V–1Ph–SCNiz. 0.510/1" (Benz option)
Net weight	360kg
Compressed air	60psi / 4.2 bar
Noise emissions	<75dB @ 1m (subject to container type)

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