

VL-100 Vial Labelling Station



Vials, mostly in cylinder form, are used as primary packaging for serums, vaccines, and injectable products. Especially in the cosmetics and pharmaceutical industries, the labelling and serialization operation of vials with liquid or lyophilized powder is high speed due to the small diameter of the vials. The quality production focus of these industries reveals the necessity for high-speed labelling operations to be precise and continuous.

You can perform your labelling and serialization operations for vial-type bottles, which are often used in industries such as pharmaceuticals and cosmetics, at high speed and with high quality with VISIOTT TPS Vial Labelling Station.

Wrap-Around Vial Labelling

Vials are bottles made of materials such as glass and plastic, which are usually in cylinder form, with a small diameter and height. Labels applied to vials are also small and light. For operations requiring high speed and quality, it is difficult to apply the label to the vials. VISIOTT TPS Vial Labelling Station facilitates the labelling process up to 300(*) vials per minute with high precision with its special design and star wheel format for different-sized vials.

After labelling, the position of the label is controlled by a high-resolution camera while the line is in motion. Vials with faulty labels are automatically removed gently from the line.

Features

- It has a customizable input and output conveyor
- It can implement label applications up to 300 (*) vials per minute.
- Verifies human-readable text with OCR / OCV technology.
- It has a servo motor controlled star wheel.
- Operates offline.
- User-friendly interface with a touchscreen monitor.
- GMP, GAMP 5, and 21 CFR Part 11 compliant.

(*) Speed may vary depending on the vial size and label template.

Technical Details

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|---------------------------|----------------------------|
| Print Technology* | CIJ,TIJ,TT |
| Printing Resolution (max) | 600 dpi |
| Verification | Grading and (OCR/OCV) |
| Camera Resolution | 1600 x 1200 px (2 Mpx) |
| Capacity (max)** | 300 pcs/minute |
| Voltage / Frequency | 110 V / 220 V / 50 - 60 Hz |
| Dimensions (WxLxH) | 1880x1930x2300 mm |
| Material | Stainless Steel |