

Colamark

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Colamark A410RV Intelligent Labeling Machine with Robotic Vision Positioning

The Colamark A410RV redefines production line efficiency through fully automated operation. Equipped with high-precision vision positioning and a flexible robotic arm, it achieves $\pm 2\text{mm}$ level precision labeling, compatible with various bottle sizes, boxes, and irregular packaging. It can also be optionally combined with a real-time online printing system to instantly print QR codes, production dates, barcodes, graphics, and product-related information. Additionally, it can be used in conjunction with the Colamark traceability system to achieve product traceability. It is suitable for a wide range of industry scenarios, including food, pharmaceutical, and daily chemical industries, and helps enterprises complete the intelligent upgrade of the packaging process.



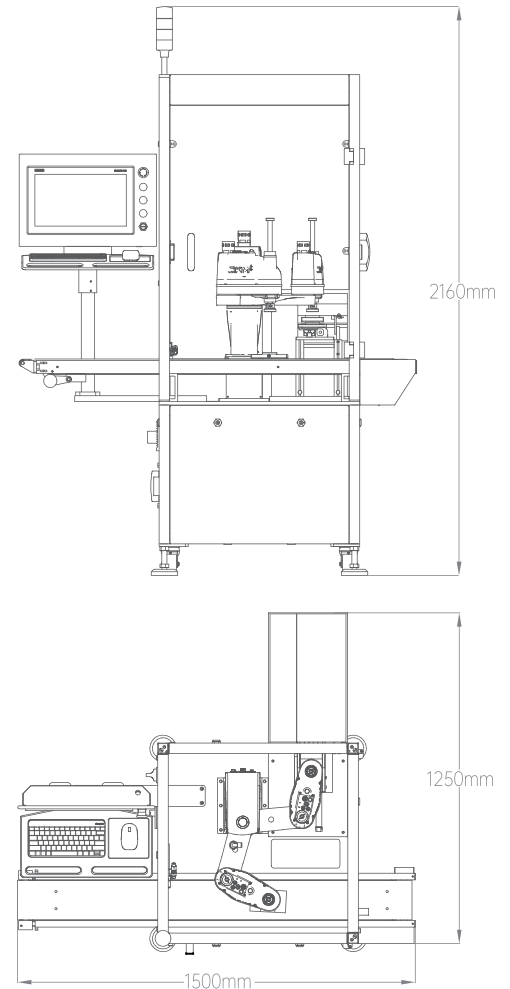
Visual Intelligent
Positioning



Automatic Tracking



High-Precision
Labeling



FEATURES

Automation and Efficiency

The entire process is unmanned, with robotic arms, conveyors, and sensors working in coordination to achieve integrated operations of automatic feeding, positioning, labeling, and inspection.

High-speed production with a conveyor belt speed of 15 meter/min., significantly higher than manual efficiency, suitable for large-scale assembly line operations.

Precision and Adaptability

High-precision positioning with a vision recognition system, error $\leq \pm 2\text{mm}$, adaptable to complex scenarios.

Multi-specification compatibility: by quickly changing fixtures or programs, it can handle products of different sizes (such as bottles, boxes, and tubes) and label types (such as adhesive labels, RFID, etc.).

Reliability and Safety

HMI operation is convenient, intuitive, and features rich help functions and fault display functions.

Intelligent control with automatic detection of label length and alarm for remaining labels.

For continuous improvement on design and product innovations, all specification data are subject to change without prior notice

Colamark (Guangzhou) Labeling Equipment Limited

19 Jin Xiu Road, Economics Trade Development District, Guangzhou, China 510730

Tel: +86 20 8221 6718 Fax: +86 20 8221 5799

Colamark Asia Ltd

820 Topsail Plaza, 11 On Sum Street, Shatin, Hong Kong

Tel: +852 2634 8011 Fax: +852 3101 1140 info@colamark.com www.colamark.com

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