HAWK LABELER *CVC 302*

HAWK LABELER CVC 302

Your Quality Assurance Helper CVC 302 HAWKTM-THE SMART ONE

The Hawk Labeler is uniquely designed for pharmaceutical as well as other companies that require quality control in packaging-

- Stops automatically if the optional bar code scanner can not verify the bar code.
- Stops automatically if the label length is incorrect.
- Auto rejection system for missing hot stamp code.
- Auto rejection system for missing label.
- Featuring SelfSetTM by CVC.

The CVC 302 labeling system is one of the most advanced automatic labeling systems designed in the world. The system features high labeling speed and the most easy-to-operate industrial computer.

When a product passes through the product sensor on the conveyor, the micro processing system will get the outer bottle diameter as the sensing point of the labeling system. Label dispensing is then calculated automatically and, distance between product sensor and label peel blade is fixed and need no adjustments, as well as labeling timing. Automatic adjustment for different bottle diameters can be simply done by the micro processing system. For most conventional labeling systems, labeling sensing point is based on the front side for bottle, product sensor repositioning by the operator or changing label time is necessary when changing bottle size.

For this CVC 302 Hawk labeling system, when a bottle is placed on the moving conveyor and passes through the bottle, the system will immediately calculate the best labeling position, at the same time, it also reaches speed synchronization for conveyor speed, label dispensing speed, wrapping speed, and label extended length setup. For those conventional labeling systems, those adjustments are very complicate and difficult, and can only rely on operator's experiences.

Any improper adjustment of speed synchronization may result poor labeling quality. With CVC 302 Hawk fully automatic Self-SetTM labeling system, you can set without any trouble.

The machine is automatically controlled, Touch Screen Panel is provided, where the most common operations are easily accessed, and some useful technical checking functions are featured for troubleshooting purposes. Proper job settings for a given product can be recorded in one of the job memory sets for reuse.

The machine has a hygienic design that meets GMP standards, operation and adjustment are easy, minimal maintenance and fast product changeover helps increasing productivity.

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UNPARALLED FEATURES

The technologically advanced Hawk labeler has been designed by the CVC engineering team having more than 20 years experience working creatively together.

- Stainless steel 304 and aluminum materials are used for machine frame and components.

- "CE" and "CSA C/UL" approved. Water and dust resistance meet Ip53 standards for operational safety. ISO 9001:9002 certified for strict quality control.

- 21CFR Part 11 compliance.

- The CVC 302 Labeler Head is driven by a servo motor providing labeling dispense speeds up to 70 meters per minute. Labeling Speed of more than 350 bottles per minute (including date coding) may be achieved .

- Each Hawk is equipped with a 6" touch screen with man-machine interface.

- P.C. compatibility for use by inventory and production management to record and print out job performance.

- Accurate and rapid diagnostic analysis of machine performance via Internet.

- Audible beeping will alert the operator when only 500 labels remain. Longer beeping sounds will again alert the operator to replace the roll when only 200 labels remain.

- When labels run out the labeler stops running and displays a message.

- When changing conveyor speed, the speeds of all other moving parts are instantly synchronized by the microprocessor system. The labeling quality remains the same.

- The labeling system will stop automatically when it senses a fallen bottle on the conveyor. This feature minimizes label waste and product rejects.

- The system will stop immediately sounding an alarm and display "error" on screen when any label is missing on the roll.

- When the hot stamp foil ribbon runs out, the labeler stops running and displays a message.

- The system will stop immediately sounding an alarm and with "error" displayed on the screen when the machine is out of order.

- EEP ROM technology is used to prevent any possible loss of memory data.

Three reasons why CVC labeling systems set up faster than other labelers.

CVC 302	STANDARD LABELERS
Simply place a container on the conveyor, touch the SelfSet™ option on the screen and all electronic adjustments necessary for a smooth run are instantly calculated. Workers can easily operate the Hawk with minimal technical training.	Operator needs to adjust label sensor to read different label and backing materials.
No repositioning of the label sensor is needed. Label extension distance remains the same when changing label sizes or adjusting labeling speed.	Operator then needs to adjust label extension distance beyond the label peel blade. Proper adjustment is necessary to prevent label wrinkling.
No repositioning of the product sensor is needed when changing bottle sizes.	The operator must reposition the product sensor to dispense the label at precisely the correct time. The above three manual adjustments are time consuming and result in unnecessary waste of labels and rejected products.

UNPARALLED FEATURES

CVC understands that mistakes are costly for manufacturers of Pharmaceuticals, Nutraceuticals and others. The CVC 302 Hawk provides a final check to guard product safety and company reputation.

Bar Code Verification (optional):
Example: If the bar code scanner does not sense a printed bar code on any label, or if the operator installs a label roll having a wrong bar code, the Hawk Bar Code Verification System will stop immediately, show an "error" message and sound an alarm to alert the operator.

Label Size Verification:
Example: If the label stored in memory is 4" long but the Hawk system senses a shorter or longer label, the labeler will stop and display an "error" message with a warning alarm.

Bottle Diameter Verification:
Example: If the bottle diameter stored in memory is 3" but the Hawk system senses a smaller or larger bottle diameter, the labeler will stop and display an "error" message with a warning alarm.

Hot Stamp Code Camera Verification System (optional) :
When any passing bottle has a missing or unclear code, the Hawk will stop immediately, display an error message and sound an alarm. When equipped with the Hawk eject system the noted bottle will be ejected to a side tray as the line continues to operate.

Automatic Rejection System (optional) :
An automatic rejection system is available for removing the following problem bottles from your production line:
- Missing or unclear code markings.
- Incorrect or illegible bar codes.
- Missing labels due to a missing label on the label roll.
- Missing labels due to insufficient spacing between bottles.

Label Sensor sensitivity is adjusted automatically:
No repositioning of the label sensor is required to adjust for different label lengths.
No manual sensor adjustments are needed when changing to different label materials or backing materials.

The world's best Labeler for ease of operation !

Have you been wasting your time on complicated machine setup and operation?

Simply place a container on the conveyor and press the Touch Screen's SelfSet™ option , all electronic adjustments necessary for a smooth run are instantly calculated for you.

Your problem of complicated machine setup and adjustments for labeler are totally overcome by the CVC 302 Hawk Labeler !

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Technical Specifications:

Label Length: 1/2" - 10"

Product Diameter: 1/2" - 4"

Roll Inner Core (Dia.): 3" core

Roll Outer Diameter: 16 1/4" Maximum O.D.

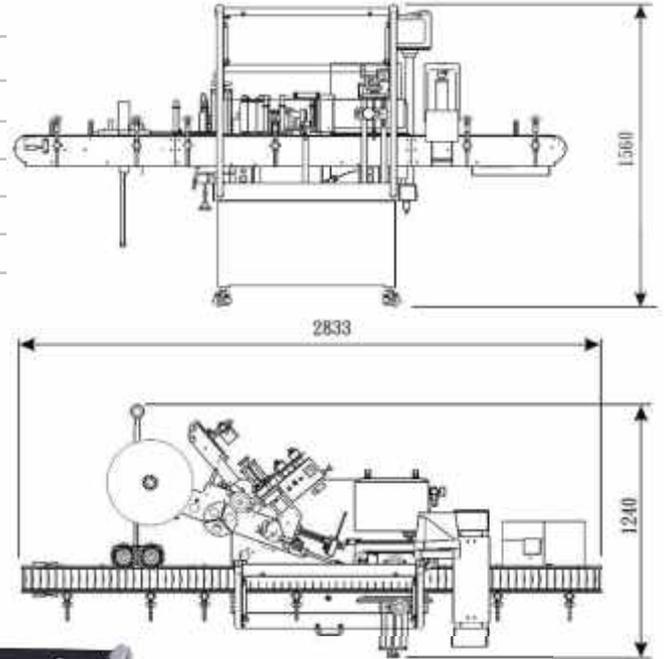Coding Speed: 350 strokes per minute

Compressed Air Pressure: 3 kgs/cm2

Compressed Air Consumption: 25 3/4 liters per minute

Touch Screen:Displays all settings and errors.

Servo Motor:Dispense speeds up to 2600 inches per minute.

Power Source:220V/ 50/ 60Hz/1ph

Power Consumption:5 Amps (*220V)