

COTTON INSERTER

CVC 1118



The CVC 1118 Cotton Inserter equips with a set of guillotine style knife assembly with hardened stainless steel blades to cut and insert a pre-set length of cotton into bottles at speeds up to 120 bottles per minute. Accurate cut cotton length set from the HMI. The CVC 1118 are Siemens PLC controlled and servo motor driven.

The cotton piece length can be set from 80mm to 150mm (3 1/8" to 5 7/8"). It can place from 1-10 inserts per bottles.

The CVC 1118 Series can be easily fitted over existing conveyor. Dual head setup for higher speeds available

STANDARD FEATURES

- Guillotine style knife assembly
- Product Sensor
- Tube Sensor, the feed sensor monitors presence of cotton piece in the filling tube.
- Inspection and removal of bottles with protruding cotton (option)
- Interlocked safety guarding.
- Capability of recipe storage.
- Storage and printing of Production Report and Alarm Report.
- Motorized adjustments for bottle height and diameter.
- Bottle backlog sensor.
- Type 304 stainless steel frame, enclosure panels.
- Type 316L stainless steel and FDA approved cotton contact parts.
- ISO 9001:2015 certified.
- CE or UL/CSA standard PC safety guard.
- Built to cGMP standards.



CVC 1118 Technical Specifications

Max. Productivity	Up to 120 BPM with single insertion per head
Applicable Cotton	Type: Natural Weight: 7 to 16g / measure Cotton Length: 3 1/8" to 5 7/8" (80mm - 150mm)
Applicable Bottle Shape	Round, rectangle, oval and square bottles
Bottle Size Range	Height: 2" to 7 7/8" (50mm to 200mm) Diameter: 1 1/4" to 4 1/4" (30mm - 110mm) Neck Opening: 1" to 2" (25mm - 50mm)
Power Source	220 V, 50/60 Hz, 1 Phase
Power Consumption	900 VA (4 Amp)
Air Pressure	Minimum 87 psi (6 bar) (ISO 8573-1)
Air Consumption Machine	12.3 CFM (350 NL/min.)
Dimensions (L x W x H)	2'-11" x 3'-3" x 7'-4" (885 x 990 x 2240 mm)
Machine Weight	679 lbs (308 kg)
Noise Level	≤ 80 dB

TECHNICAL SPECIFICATIONS

AVAILABLE OPTIONS

- Conveyor
- Infeed / outfeed conveyor extensions
- Infeed rotary table
- Rotary accumulation table
- Cotton holding container
- Cotton pre-feed device
- Bottle reject system
- Reject verification
- Insertion failure detection sensor
- Bottle format changeover parts
- Tower lamp
- 21 CFR Part 11 License
- OPC UA for data collection



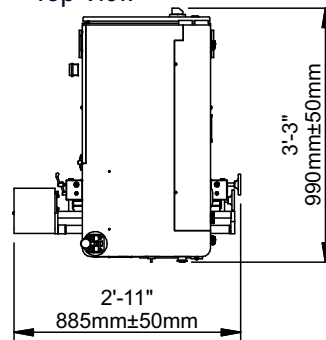
Cotton pre-feed device features smooth and non-stop cotton feeding.



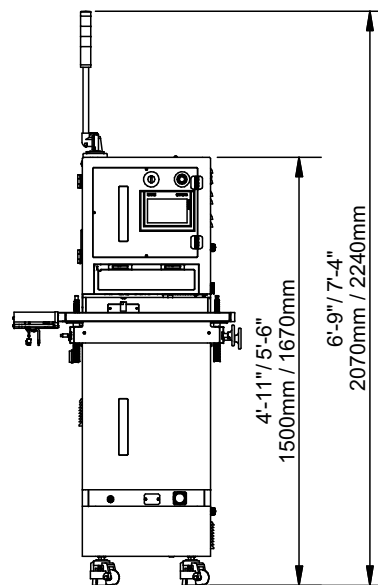
The re-tamping design simplifies and integrates into the machine.

MACHINE LAYOUTS

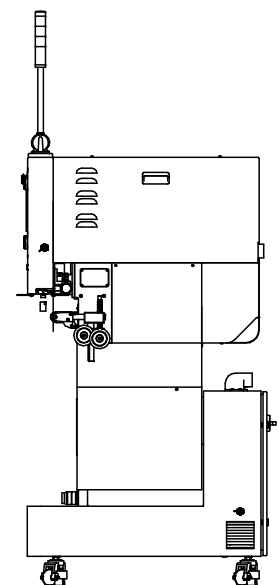
Top View



Front View



Side View



The dimensions shown are for standard machine. Optional conveyor can be provided based on selected options. This machine can run independently or be integrated into an automated packaging line. All CVC equipment is covered by a one-year parts warranty. Full warranty details are included in our equipment proposals.



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