

# Alpha Compact Plus

## Overview

## Label Applicator



### Special Features

- Applies labels up to 9.84" wide x 11.81" long
- Powerful servomotor offers superior accuracy
- Variable rotary shaft encoder
- Accurate labeling to within  $\pm 0.01$ "

### Weber's Alpha Compact Plus label applicator

The new Alpha Compact Plus label applicator now sports a new design with increased performance and higher application rates. It is even easier to operate than its tried and tested predecessors. The system can attach preprinted labels quickly and accurately to products and packaging on a production line.

A particularly powerful servo motor offers superior labeling accuracy. Using a conventional PC with an Ethernet interface, different labeling parameters as well as functions like start and stop, single label feed, speed control and sensor calibration can now be entered and stored in the Alpha Compact Plus.

It is now very easy to secure data and information and transfer dispenser parameters to other Alpha Compact Plus systems. Switching between labeling jobs can therefore be done automatically using the system control unit. Stored parameters and jobs can be called up from extensive internal data storage and can also be edited and used for different labeling jobs.

The menu navigation is particularly simple for the operator, with small pictograms helping you quickly find the right setting.

### Two Interfaces

- Display HMI utilizes a multifunction pushbutton knob and an LCD display to provide full access to all adjustment parameters.
- USB utilizes a USB connection that permits the unit to be configured from a PC.

The Alpha Compact Plus features rugged die-cast aluminum

construction, single-key calibration, automatic recognition of missing labels, in-production speed adjustment, and more.

### Special features

- Variable rotary shaft encoder controls up to 328'/min
- Peak output of up to 1100 labels per minute
- Position accuracy up to  $\pm 0.01$ "
- Driven by servo motor
- Integrated zero downtime function when using a redundant system
- Short set-up times when changing label format
- Ethernet port (M12 industrial connector) allows upload and download from dispenser set-up
- Automatic detection of missing labels (skip function)
- Precise path-dependent positioning of the labels
- Dispenser control system integrated in housing

# Alpha Compact Plus

## General Specifications

## Label Applicator



### Dimensions

27.95" x 12.99" x 23.62"  
(710mm x 330mm x 600mm)

### Weight

48.5 lbs. (22kg)

### Electrical

85-264 VAC, 47-63Hz

### Product Sensing

Photoelectric

### Connections

Ethernet, M12

### Label Roll Size

Up to 11.81" O.D. (300mm) wound on 3"  
(76mm) core

### Label Styling

Die-cut, waste-removed with a minimum of  
0.125" (3mm) separation between labels in  
running direction

### Label Placement

Accurate to  $\pm 0.01$ " (0.3mm) when labels  
are produced to specifications and product  
handling is controlled

### Standard Label Sizes

Min width: 0.4" (10mm)  
Max width: 9.8" (250mm)  
Min length: 0.4" (10mm)  
Max length: 11.8" (300mm)

### Labeling Speed

Up to 328 fpm (100m) depending on label  
roll width and diameter;  
Up to 1000 labels per minute depending on  
label size

### Environmental Conditions

Temperature: 33.8°F (10°C) to 100.4°F (38°C)  
Humidity: 20% - 90% relative, non-  
condensing

### Options

- Low-label sensor
- Three-color stack light