



## Alpha 86

**The Alpha 86 is a universal label applicator for quick, reliable and trouble-free labeling of a broad range of products and packages. More than 5000 installations confirm the quality and reliability of this technically mature system.**

The Alpha 86 has a self-supporting cast aluminium housing and is therefore optimally torsion-resistant. The centrally located peeling tongue allows automatic compensation of varying product heights without causing any change in the length of the label web.

The labels are peeled off from the backing tape and applied in an accurate position.

Inside- and outside wound label rolls can be used. The system is converted by a single hand movement. The maximum label width can vary between 80 and 350 mm. The smallest label length is about 8 mm.

The drive is variable up to 60 meters per minute.

The separation of applicator and controller (all HS and W systems) reduces space requirement. It makes the integration into the existing production line more easy. The symmetric basic construction allows the conversion in left- and right hand version. This provides a high rate of flexibility for the most different application conditions.

The compact controller with reverse-polarity protected industrial plugs allows the installation to be easily installed in any installation position. The applicator has removable guide rolls for an easier handling and faster cleaning. A new label roll is inserted within half a minute.

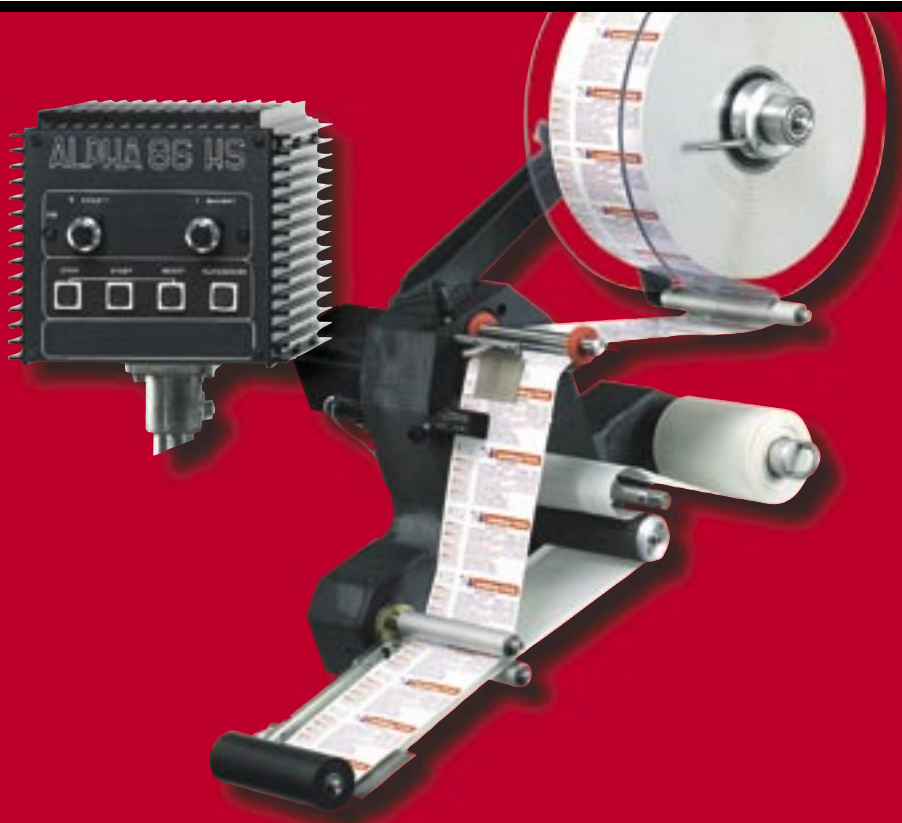
The robust construction of the system guarantees a reliable long-term operation.

The Alpha 86 is available with many accessories: special applicators with tamp pad or blow box, options for wrap-around labeling, etc.

If requested, we will conceive substantial special labeling systems incl. product handling based on the Alpha 86.

### **The Bluhm Weber group supplies everything around labels**

- professional system advice,
- own label production,
- qualified service hotline,
- full-service maintenance contracts,
- area-wide service network,
- high-performance print & apply systems,
- stand-alone label printers,
- software for label creation,
- customer-specific special solutions,
- system-compatible consumables,
- alternative direct coding systems.



# Specifications



## Speed of label applicator

Speed of label peeling resp. product speed up to 60 m per minute

## Rate of application

Up to 500 labels per minute (dependant on label length)

\*an optional label pre-winding appliance is recommended in case of more than 80 labels per minute or product speeds of more than 40 m per minute

## Dimensions

(length x width x height)  
700 x 320 x 500 mm

## Trouble detection

Automatic limit stop at roll end and web break

## Capacity

Usable without limitations in 3-shift-operation

## Weight

(ready for labeling)  
From 22 kg (depending on version)

## Product sensor

Photocell, microswitch, capacitive/inductive sensor, ultrasonic sensor

## Environmental conditions

Temperature range: 10° to 38 °C  
10 – 95 % rel. humidity, not condensing

## Approval

CE mark

## Electrical connection

115/230 VAC, 50/60 Hz



## Label gap

Minimal 3 mm

## Label roll

Outside diameter max. 300 mm on a roll core of 76 mm (3")

## Label sizes

Minimal width: 20 mm (standard system), narrower label on request

Maximal width:

Depends on system (please see table)

Minimal length:

12 mm (standard system 1:1 ratio)

8 mm with optional ratio 2:1

Maximal length: 1000 mm

## Options

- low-label sensor, with adjustable pre-warming and optical display
- optical tape tear control
- special applicators, e. g. with vacuum tamp or blox box for product-specific solutions
- shaft encoder connection for the synchronization of label peeling speed in accordance with product movement
- powered unwinder option for the use of big and heavy label rolls as well as high peeling speeds
- special sensor for the use of transparent labels
- explosion-proof version

Subject to technical modifications.

Serie 86-X	80-LS	120-LS	80-HS	120-HS	150-HS	150-W	200-W	250-W	300-W
Operating width mm	80	120	80	120	150	150	200	250	300
Speed m per minute	6-24	6-24	0-60 *	0-60 *	0-60 **	0-30*	0-30*	0-30*	0-30*
Gear ratio	2:1	2:1	1:1	1:1	1:1	2:1	2:1	2:1	2:1
Integrated control unit with separate operating device	X	X							
Controller and operating device can be mounted separately			X	X	X	X	X	X	X
Connection for communication with external control	X	X	X	X	X	X	X	X	X
Magnetic connector for additional option			X	X	X	X	X	X	X
Slide-on receptacle for shaft encoder			X	X	X	X	X	X	X
Additional mounting plate as counter bearing for all axes						X	X	X	X

All systems: available in LH or RH version, continuous adjustable speed, incl. flange clamp FK40

\*\*only for special applicatons with various label widths (small labels up to 60 m per minute, widths > 120 mm only with label feed < 24 m per minute)

LS = low speed, HS = high speed, W = wide system



# Geset

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