

Applicator A1000.

Real-time application

In conjunction with the A2+, A4+ and A6+ printers, the A1000 applicator represents a cost-effective solution for both semi-automatic operation and for integration into automated production lines.

1 Long service life

The ball-bearing guide bars are low-wearing.

2 Variable product heights

The lift cylinder allows labeling at different heights. It is available in different stroke lengths.

3 Easy adjustment

The tamp pad can be adjusted in alignment with the peel-off plate using four screws. Processing control is optimized during testing using the operation panel.

4 Pre-dispense button

Tests the labeling function. Pushing the button the first time causes the label to be printed and held by the pad. Pushing the button again starts the application.

5 Compressed air regulation unit

The microfilters prevent contamination and the compressed air regulator ensures the labeling quality.

6 High process reliability

The supporting air jet stream, induction air and lifting speed can be adjusted. The pressure can be reduced to less than 1 kg for highly sensitive products and packaging. To avoid contamination of the vacuum holes, they are cleaned with air pressure after each application.

7 Real-time application

Labels with a height of 25 – 200 mm and a width of 25 – 176 mm can be dispensed.



Label transfer	Tamp	Roll-on	Blow
Label width mm	25 – 176	25 – 176	25 – 176
Label height mm	25 – 200	80 – 200	25 – 100
Cylinder stroke mm	220 / 300 / 400		
Tamp stroke below the device mm	70 / 150		
Compressed air bar	4 – 5		
Product surface	Flat		
Product height variable	■	■	–
fixed	–	–	■
Product in rest	■	–	■
in motion	–	■	■

Accessories for applicators.

Tamp pad

The product remains fixed in place during application. The vacuum holes of the universal tamp pads are covered by a foil that is pierced according to the label size. The tamp pads are adjusted to the external dimensions of the labels.



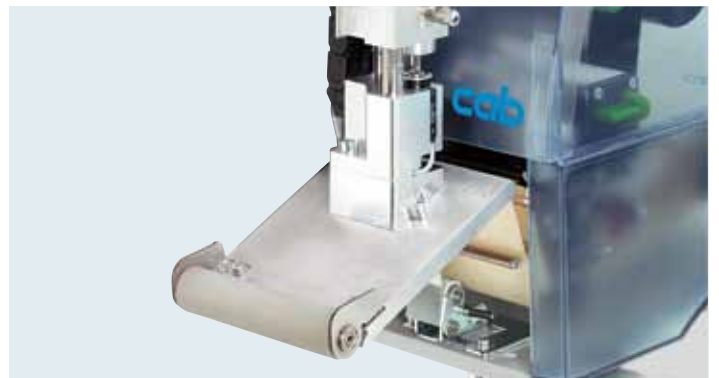
Blow pad

The label can be blown on for pressure-sensitive products. The labels can be applied to either a fixed or moving product. The product to be printed is positioned approximately 10 mm below the blow pad.



Roll-on pad

The label is moved under the roll during application. The pad moves onto the product and the label is rolled on during transportation.



Digital I/O interface at the applicator

The master (e.g. PLC) starts or stops the labeling process. Status and error messages are issued at the same time.



Input / output

- › Start
- › Stop
- › Print first label
- › Printer not ready
- › No print job
- › Combined alarm
- › Basic position reached
- › Labeling position reached
- › Labeling error

Printing and dispensing on demand

A hand or foot switch or a product sensor can be attached at the applicator's digital I/O interface to start print jobs.



Hand switch

Starts printing and dispensing.



Foot switch

Starts printing and dispensing.



Product sensor

For automatic product detection on the conveyor belt.



Sub D plug

To connect external control signals at the applicator. Sub D plug 15-pin with screw clamps.



External operation panel

If the external panel is no longer accessible, e.g. after installation within a facility, an external panel can be installed. There are additional slots for a CF Type I memory card and a USB master interface.

1 Base frame

The base frame is customized according to the width and height requirements. The labeling system is fixed in place with two pins. The exact position can be adjusted on the crossbar.

2 Roll-on application

For labeling round products with diameters of up to 40 mm. The product is pushed onto the rolls. The labeling process is started by pressing the hand or foot switch.

3 Dispensing module for roll-on application

For labeling packaging on the conveyor belt. The conveyor speed must be synchronized with the print speed. It is suitable for labels with a width up to 116 mm and a length up to 200 mm. Further technical details can be provided on request.

4 Stand

+ The stand enables the printer to be integrated quickly and flexibly into any manufacturing line.

5 The height and width of the labeling position can be adjusted with ease. Four guide rollers on the chassis ensure mobility. The stand is adjusted at the place of installation using adjustable feet.





























Stand	
Total height mm	1.600
Height of appliance mm	1.400
Projection until middle of label mm	230 – 500
Chassis Width x Depth x Height mm	600 x 860 x 140



Printer holder for A4+ and A6+, A2+ on request

Delivery program for accessories

	Part no.	Accessories
	16. 5946146	Pause adapter PS7
	17. 5946900	Present sensor PS8 for manual operation
	18. on request	Present sensor PS9
	19. 5948830	Extended peel-off plate
	20. 5954380.001	External operation panel
	21. on request	Compact keyboard USB Cherry Classic Line G84-4100
	22. 5561043	Memory card CompactFlash Type I
	Part no.	Applicators with accessories
	23. 5949001 5949002 5949003	Applicator A 1000-220 Applicator A 1000-300 Applicator A 1000-400
	5949072	Universal tamp pad A1021 70 x 60
	5949075	Universal tamp pad A1021 90 x 90
	5xxxxxx	Tamp pad A1021 W x H
	5949076	Universal tamp pad A1321 116 x 102
	5949077	Universal tamp pad A1321 116 x 152
	5xxxxxx	Tamp pad A1321 W x H
	5xxxxxx	Blow pad A2021 B x H
	5xxxxxx	Roll-on pad
	24. On request	Roll-on application for cylindrical products
	25. On request	Dispensing module

	Part no.	Accessories for applicators
	5533240	Testbox 2 Automatic operation
	5942345	Hand switch TR1
	5535901	Foot switch
	5941526	Product sensor to start
	5917652	Interface connector SUB D plug 15-pin Phoenix Contact 2761606
	5949093 5xxxxxx	Base frame 340 x 160 Base frame W x H
	5947400	Stand 1600
	8913693	Printer holder
	Part no.	Interfaces
	5954200 5954201	Centronics interface RS422 / RS485 interface
	5954191	Label selection - I/O box
	5561041	WLAN card 802.11 b/g
	Part no.	Connecting cable
	5550818	Cable RS232 C 9/9 pin, length 3 m
	5918008	Patch cable KAT 5e, 3 m gray
	Part no.	Software
	DL 40100	Database Connector license
	5580215	Administration Network Manager
	In scope of delivery	Label software cablabel R2+
	On request	Codesoft, NiceLabel, Easylabel
	9008486	Programming manual English, printed copy

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