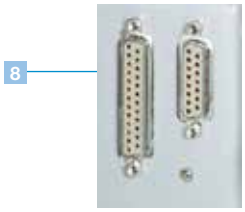
Applicator A1000



Real-time application
Combined with the A2+, A4+ and A6+ printers the A1000 applicator means a cost-effective solution - for both semi-automatic operation and integration into product lines. For operation compressed air of 4,5 bar is needed.

1 **Long service life**
The ball-bearing guide bars are low-wearing.

2 **Variable product heights**
The lifting cylinder allows labeling at different heights. Different stroke heights are available.

3 **Pre-dispensing button**
For testing the labeling process. Pushing the button the first time causes the label to be printed and held by the pad. Pushing the button again starts the application.

4 **Compressed air regulation unit**
Microfilters prevent contamination. The compressed air regulator ensures a permanent high labeling quality.

5 **High process reliability**
The supporting air jet stream, induction air and lifting speed can be adjusted. The pressure can be reduced to less than 10 N (1 kg) for highly sensitive products and packages. To avoid contamination of the vacuum holes, these are cleaned with air pressure after each application.

6 **Label sizes**
Labels with 25 to 176 mm width and 25 to 200 mm height can be applied.

7 **Supporting air**
Used for blowing the label onto the pad

8 **Digital I/O interface**
A PLC, sensor or hand switch starts the labeling. At the same time, status and error messages are issued.

Inputs:
Start
Print first label
External error
Stop (external error)
External reset only for 25-pin

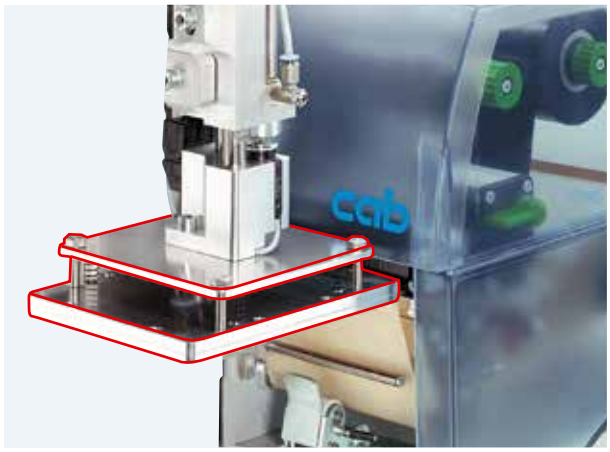
Outputs:
Printer not ready
No print job
Collective alarm
Home position reached
Labeling position reached
Labeling error

Applicator		A1000-220	A1000-300	A1000-400
Usage		A2+, A4+, A6+	A2+, A4+, A6+	A2+, A4+, A6+
Cylinder stroke	mm	220	300	400
Tamp stroke below device	mm	70	150	250
Compressed air	bar	4.5		

Accessories - Applicator A1000

Tamps
Labels are applied on the tamp and held by vacuum. Tamp and label are then moved to the product by applicator.
Universal tamp pad
The rasterized vacuum holes are covered by a foil and are pierced according to the label size.
Tamp pads are manufactured according to the label size.

	Universal tamp pads			Tamp pad		
	A1021 70x60		A1021 90x90	A1021 WxH		
Usage	A2+	A4+	A4+	A2+	A4+	A6+
Label width mm	25-63	25-70	25-90	25-63	25-116	50-176
Label height mm	25-60		25-90	25-200		
Product surface	Flat					
Product height	Variable					
Product during labeling	Not moving					



Tamp spring-mounted
The spring deflection allows labeling even on inclined surfaces.
Universal tamp pad
The rasterized vacuum holes are covered by a foil and are pierced according to the label size.
Tamp pads are manufactured according to the label size.

	Universal tamp pads		Tamp pad	
	A1321 116x102	A1321 116x152	A1321 WxH	
Usage	A4+	A4+	A4+	A6+
Label width mm	25-116	25-116	25-116	50-176
Label height mm	25-102	25-152	25-200	
Product surface	Flat			
Product height	Variable			
Product during labeling	Not moving			

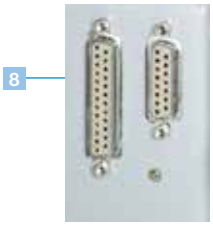
Blow pad
In case of pressure-sensitive products, the label can be blown on. Thus, the blow pad moves to a fixed height. The product to be printed is positioned about 10 mm below.

Blow pad	A2021		
Usage	A2+	A4+	A6+
Label width mm	25-63	25-116	50-176
Label height mm	25-100		
Product surface	Flat		
Product height	Fixed		
Product during labeling	Not moving or in motion		

Roll-on pad
Using the roll-on pad the label is moved to below the roll. The pad moves onto the product and the label is rolled on during transport.

Roll-on pad	A1411	
Usage	A4+	A6+
Label width mm	25-116	50-76
Label height mm	80-200	80-200
Product surface	Flat	
Product height	Variable	
Product during labeling	In motion	

Applicator A3200



Real-time application
With the A3200 applicator labels that are printed with the A2+ or A4+ printers are automatically applied on a product. A rotary cylinder allows positioning the label between 45° and 95°. Finally, the label is placed on the product via short stroke cylinder.

1 **Long service life**
The ball-bearing guides are low-wearing.

2 **Variable angular position**
The rotary cylinder allows labeling on horizontal, inclined and vertical surfaces.

3 **Pre-dispensing button**
For testing the labelling process. Pushing the button the first time causes the label to be printed and held by the pad. Pushing the button again starts the application.

4 **Compressed air regulation unit**
Microfilters prevent contamination. The compressed air regulator ensures a permanent high labeling quality.

5 **High process reliability**
The supporting air jet stream, induction air and lifting speed can be adjusted. The pressure can be reduced to less than 10 N (1 kg) for highly sensitive products and packaging. To avoid contamination of the vacuum holes, these are cleaned with air pressure after each application.

6 **Label sizes**
Labels with 4 to 116 mm width and 5 to 80 mm height can be applied.

7 **Supporting air**
Used for blowing the label onto the pad

8 **Digital I/O interface**
A PLC, sensor or hand switch starts the labeling. At the same time, status and error messages are issued.

Inputs:
Start
Print first label
External error
Stop (external error)
External reset only for 25-pin

Outputs:
Printer not ready
No print job
Collective alarm
Home position reached
Labeling position reached
Labeling error

Applicator	A3200
Usage	A2+, A4+
Rotary cylinder	45°-95°
Lifting cylinder up to mm	30
Compressed air bar	4.5

Tamp pads or blow pads are manufactured according to the label size.

	Tamp pad A3221		Blow pad A3221	
Usage	A2+	A4+	A2+	A4+
Label width mm	4-63	20-116	10-63	20-16
Label height mm	5-80		10-80	
Product surface	Flat			
Product during labeling	Not moving		In motion	