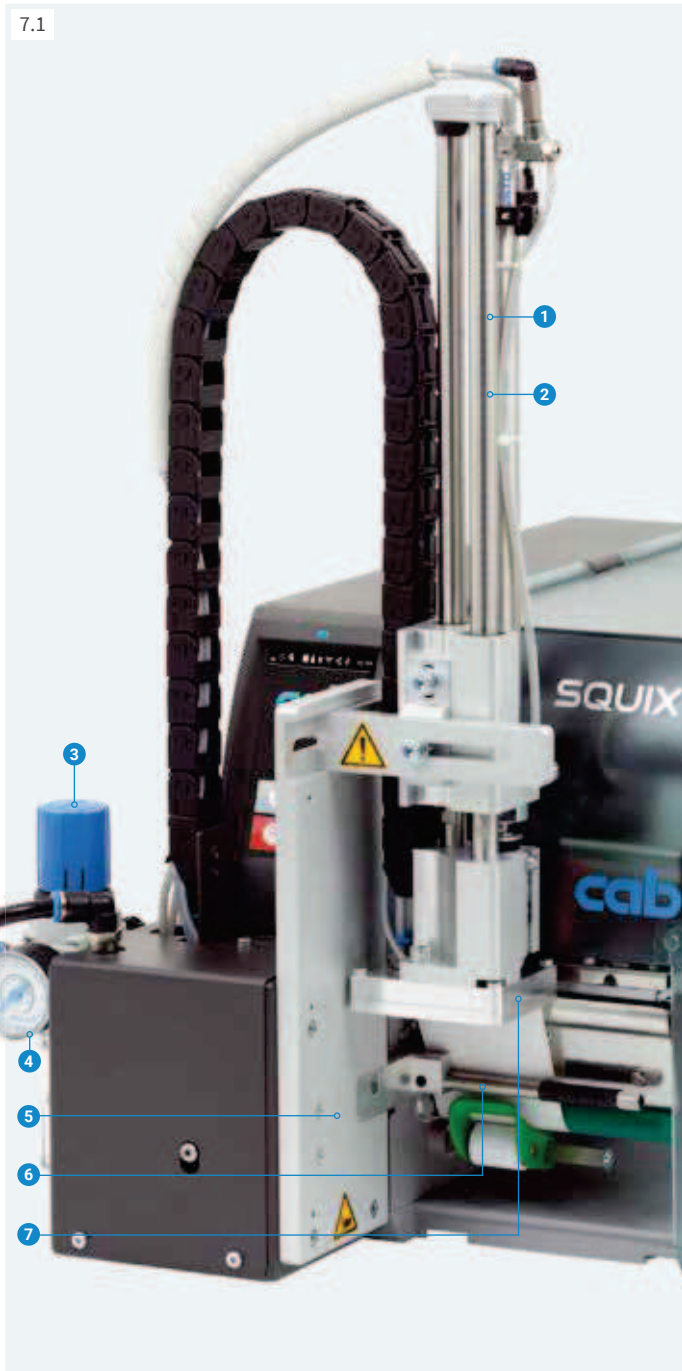# Applicator S1000

7.1

Labeling in real time

The applicator S1000 fixed to a SQUIX provides a cost-effective solution for peel-off printers - in semi-automatic operation or when vertically assembled in production lines. A stroke cylinder applies the label on the product.

1 Long service life
Low wear because of a ball-bearing linear guidance

2 Variable product heights
The stroke cylinder enables labeling at different heights.
It is available in various stroke lengths.

3 Compressed air pressure regulation unit
Micro filters prevent from contamination.
The regulation unit enables a permanent high labeling quality.

4 High process reliability
Supporting air, suction air and the stroke speed are all adjustable. If sensitive products and packagings are processed, the suction force can be reduced to less than 10 N (1 kg). The vacuum holes are purged after every labeling process to avoid contamination.

5 Label sizes
Label widths 25 to 176 mm and heights 25 to 200 mm can be applied.

6 Supporting air to blow the labels onto the pad

7 Pad
The labels are given to the pad and held there by vacuum.
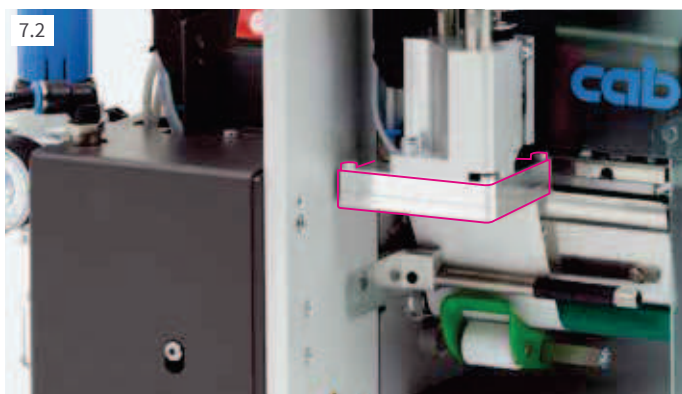Pad and label are moved by a stroke cylinder to the product.

Pre-dispense button

to check the labeling process. Pushing the button once means that the label is printed and taken over by the applicator. Pushing the button again starts the labeling process.

Technical data		Applicator		
		S1000-220	S1000-300	S1000-400
To be used with		SQUIX 2, SQUIX 4.3, SQUIX 4 SQUIX 4.3 M, SQUIX 4 M, SQUIX 6.3		
Cylinder stroke	mm	220	300	400
Tamp stroke below device	mm	64	144	244
Compressed air	bar	4.5		
Cycle time approx.[1]		25 labels/min		

[1] Calculated with 100 mm stroke below device, label height 100 mm, print speed 100 mm/s
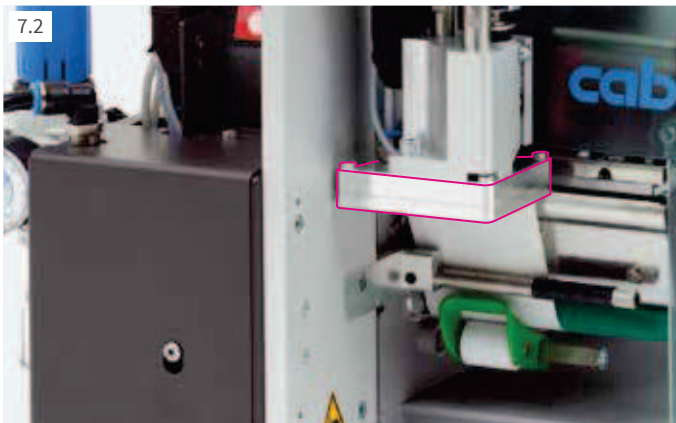
Accessories

7.2

Universal pads

The rasterized vacuum holes are covered by a foil and pierced according to the label size.

Technical data		Universal pad		
		A1021		A1021
Material guide		left-aligned, centered		
To be used with		SQUIX 2	SQUIX 4.3 SQUIX 4	SQUIX 4.3 SQUIX 4
Label width	mm	25-63	25-70	25-90
Label height	mm	25-60		25-90
Product surface		flat		
Product height		variable		
Product during labeling		not in motion		

Accessories Applicator S1000

Tamp pads
are manufactured according to the label size.

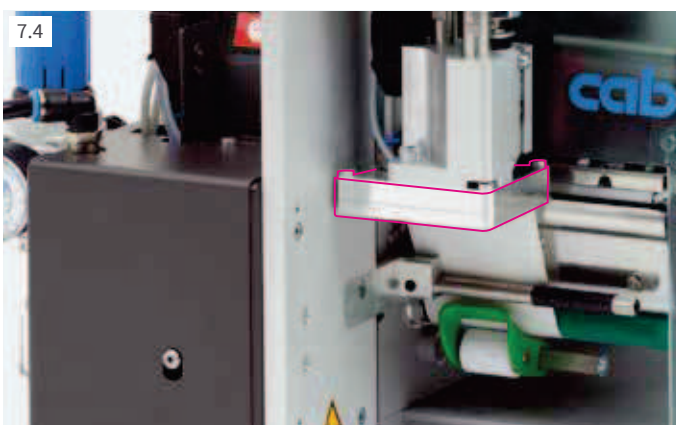|	Tamp pad			
Technical data	**A1021**			**M1021**
Material guide	left-aligned			centered
To be used with	SQUIX 2	SQUIX 4.3 SQUIX 4	SQUIX 6.3	SQUIX 4.3 M SQUIX 4 M
Label width mm	25-63	25-116	50-176	25-110
Label height mm	25-200			
Product surface	flat			
Product height	variable			
Product during labeling	not in motion			

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

Tamp pads spring-mounted
The spring deflection allows labeling even on curved surfaces; manufactured according to the label size
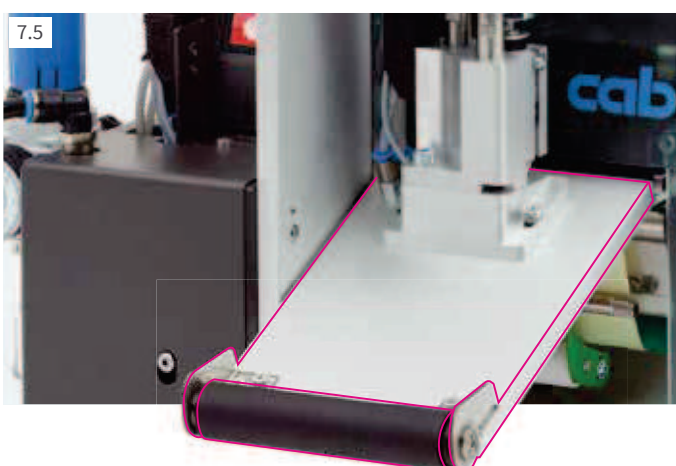
	Universal pad		Tamp pad		
Technical data	**A1321**	**A1321**	**A1321**		**M1321**
Material guide	left-aligned, centered		left-aligned		centered
To be used with	SQUIX 4.3, 4	SQUIX 4.3, 4	SQUIX 4.3, 4	SQUIX 6.3	SQUIX 4.3 M, 4 M
Label width mm	25-116	25-116	25-116	50-176	25-116
Label height mm	25-102	25-152	25-200		
Product surface	flat				
Product height	variable				
Product during labeling	not in motion				

Blow pads
Labels may be blown on pressure-sensitive products. For this, the blow pad moves to a fixed height. The position of the product that has to be labeled is approx. 10 mm below.

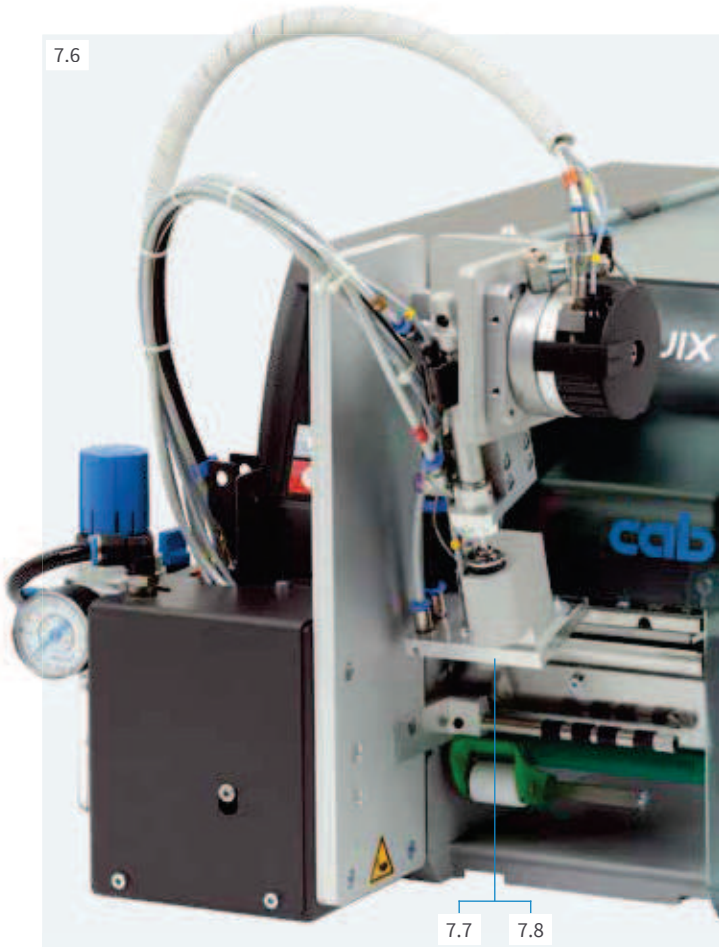|	Blow pad			
Technical data	**A2021**			**M2021**
Materialführung	left-aligned			centered
To be used with	SQUIX 2	SQUIX 4.3, 4	SQUIX 6.3	SQUIX 4.3 M, 4 M
Label width mm	25-63	25-116	50-176	25-110
Label height mm	25-100			
Product surface	flat			
Product height	fixed			
Product during labeling	in motion or not in motion			

Roll-on pads
The label is moved right below the roll during the printing. The pad moves onto the product. The label is taken over by the product and rolled on.

	Roll-on pad		
Technical data	**A1411**		**M1411**
Material guide	left-aligned		centered
To be used with	SQUIX 4.3, 4	SQUIX 6.3	SQUIX 4.3 M, 4 M
Label width mm	25-116	50-176	25-110
Label height mm	80-200		
Product surface	flat		
Product height	variable		
Product during labeling	in motion		

Applicator S3200

7.6

7.7   7.8

Labeling in real time

An applicator S3200 fixed to a SQUIX provides a cost-effective solution for peel-off printers - in semi-automatic operation or when vertically assembled in production lines. With the S3200 printed labels are automatically applied on the product. The labels are placed with a rotary cylinder 45° to 95° to the horizontal and applied on the product with a short stroke cylinder. All information on the service life, predispense, compressed air regulation, process reliability and supporting air correspond with the applicator S1000 (see page 18).

	Applicator
Technical data	S3200
To be used with	SQUIX 2, SQUIX 4.3, SQUIX 4, SQUIX 4.3 M, SQUIX 4 M
Rotary cylinder	45°-95°
Stroke cylinder up to mm	30
Compressed air bar	4.5
Cycle time approx.[1]	20 labels/min

[1] Calculated with label height 40 mm, print speed 100 mm/s

Tamp or blow pads

are manufactured according to the label size.

Technical data	Tamp pad			Blow pad		
	A3200-1100	M3200-1100		A3200-2100	M3200-2100	
Material guide	left-aligned	centered		left-aligned	centered	
To be used with	SQUIX 2	SQUIX 4.3, 4	SQUIX 4.3 M, 4 M	SQUIX 2	SQUIX 4.3, 4	SQUIX 4.3 M, 4 M
Label width mm	4-63	10-116	4-110	10-63	10-116	10-110
Label height mm	6-80			10-80		
Product surface	flat					
Product during labeling	not in motion			in motion or not in motion		

Demand modules

7.9

Demand modules S5104, S5106

to label products in motion on a conveyor belt. A product sensor detects the labeling position. The peel-off process is started and at the same time the next label is printed. The transport speed has to be synchronized with the print speed. A reflective sensor monitors the positioning.

	Demand module	
Technical data	S5104	S5106
To be used with	SQUIX 4.3, SQUIX 4	SQUIX 6.3
Material guide	left-aligned	
Label width mm	25-116	50-176
Label height mm	25-200	
Distance from print line to peel-off plate mm	336-518	
Product surface	flat	
Product height	fixed	
Product during labeling	in motion, speed synchronized with the printer	
Cycle time approx.[1]	60 labels/min	

[1] Calculated with label height 100 mm, print speed 100 mm/s