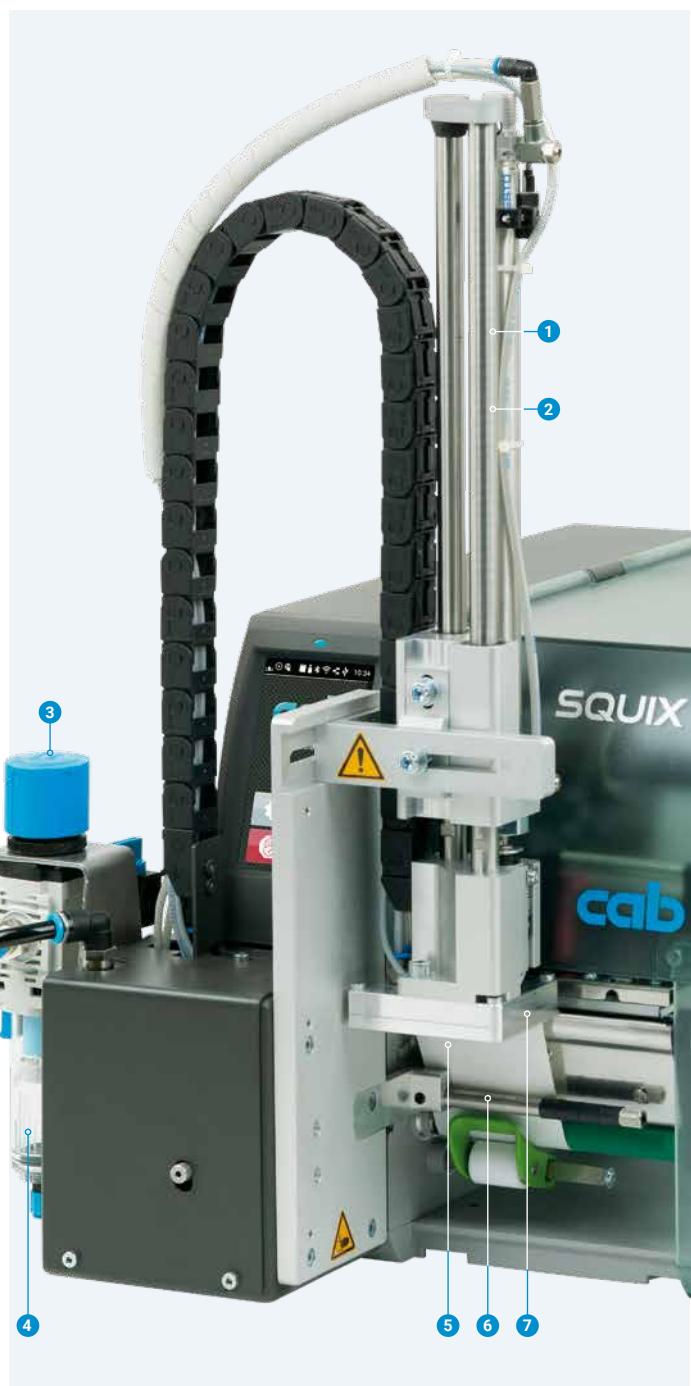


SQ 1000 applicator



Automatic labeling

SQ 1000 is a further development of the proven S1000 applicator, fully compatible, adding extra functions. Existing applications can continue without limitations. In conjunction with a SQUIX printer, the SQ 1000 is a cost-effective solution for semi-automatic labeling tasks. Labels are applied onto items by means of a stroke cylinder.

Easy to configure

The applicator can be fully set on the printer control panel, configurations be stored and called up. Automatic calibration features speed up the setup.

Process control

Detailed statistical values are provided, so are sophisticated error messages. Constant control enables response right away in events of errors.

Updates

Applicator firmware can be updated on the printer control panel or the printer's web server. New features and specific solutions can therefore be tested right away and distributed in the field.

① Long life cycles

The ball bearing guide bars are low wear.

② Different levels of application

By providing different lengths of stroke for the cylinder, labels can be applied on various heights to an item.

③ Compressed air regulation

Micro filters prevent from contamination. Decompression keeps the quality of label applications consistently high.

④ Reliable processes

Supporting air, intake air and stroke speeds can all be set. The pressing force can be reduced to less than 10N (1kg) in sensitive operations. Purging the intake ducts subsequent to every label application prevents from contamination.

⑤ A wide range of sizes

Labels 25 mm to 176 mm wide and 25 mm to 200 mm high can be applied.

⑥ Supporting air (Blow tube not included in delivery)

It enables labels be blown onto a pad.

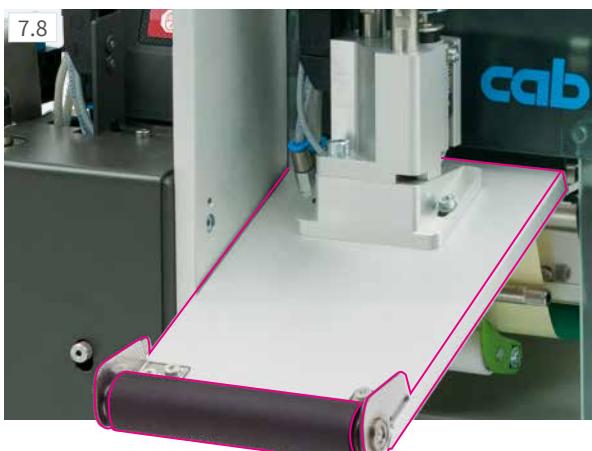
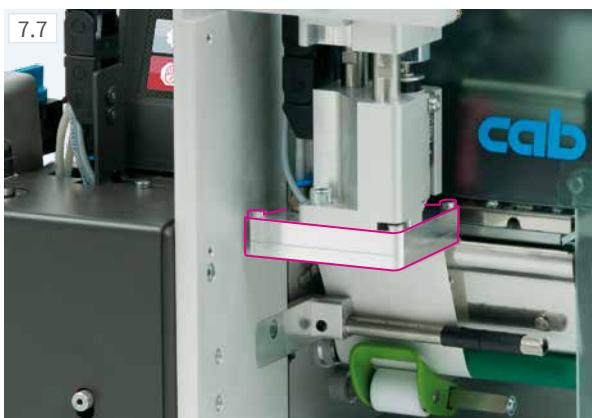
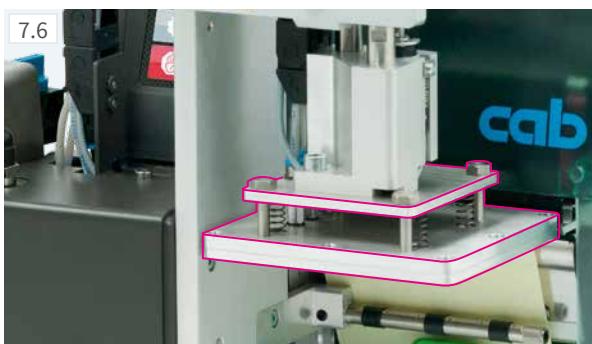
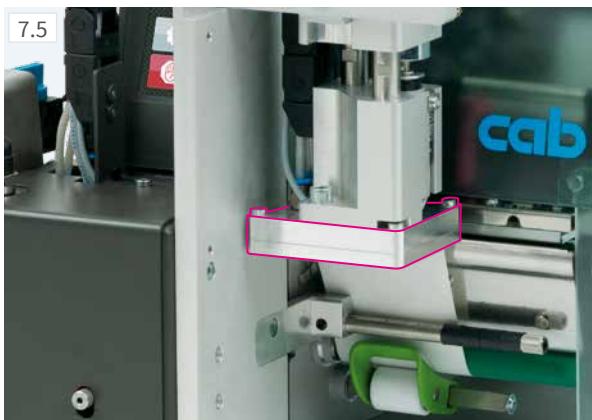
⑦ Pad

Labels are transferred onto a pad and held there by vacuum. A stroke cylinder moves the pad with the labels to an item.

Applicator	SQ 1000 - 220	SQ 1000 - 300	SQ 1000 - 400	SQ 1000 - 520
Operated with	SQUIX 2 P, SQUIX 4.3 P, SQUIX 4 P SQUIX 4.3 MP, SQUIX 4 MP, SQUIX 6.3 P			
Cylinder stroke mm	220	300	400	520
Stroke of a pad as calculated below a unit mm	64	144	244	364
Weight packaging excluded kg	4.5	5	5.5	6.0
Consumption of power W max.	15			
Compressed air bar	4.5			
Cycle rate approx ¹⁾	25 labels/min.			

¹⁾ calculated at a stroke of 100 mm below a unit, using labels 100 mm high and a print speed of 100 mm/s

SQ 1000 applicator accessories



Blow tube

It supplies supporting air. Labels are blown from below onto a pad, assisting the label transfer.

Provided for 2“, 4“ or 6“ label operations

Tamp-on pads

The intake boreholes of universal tamp-on pads can be adapted to different sizes of labels. Pads may be manufactured custom-made as well.

Tamp-on pad		A1021		
Type		universal 70 x 60	universal 90 x 90	custom-made
Label width mm	SQUIX 2	25 - 63	-	25 - 63
	SQUIX 4 / 4.3	25 - 70	25 - 90	25 - 116
	SQUIX 6.3	-	-	50 - 176
Label height mm	SQUIX 2	25 - 60	-	25 - 200
	SQUIX 4 / 4.3	-	25 - 90	
	SQUIX 6.3	-	-	
Surface of an item		flat		
Height of an item		flexible		
State of an item		at rest		

Tamp-on pads, spring-mounted

Pitch of spring enables labels be applied even to inclined surfaces.

Tamp-on pad, spring-mounted		A1321			
Type		universal 116 x 102	universal 116 x 152	custom-made	
Label width mm	SQUIX 4 / 4.3	25 - 116		25 - 116	
	SQUIX 6.3	-		50 - 176	
Label height mm	SQUIX 4 / 4.3	25 - 102	25 - 152	25 - 200	
	SQUIX 6.3	-	-		
	Surface of an item	flat			
Height of an item		flexible			
State of an item		at rest			

Blow-on pads

They suit for blowing labels onto items sensitive to pressure. Custom-made blow-on pads therefore move to a fixed spot about 10 mm above an item.

Blow-on pad		A2021	
Type		custom-made	
Label width mm	SQUIX 2	25 - 63	
	SQUIX 4 / 4.3	25 - 116	
	SQUIX 6.3	on request	
Label height mm	SQUIX 2	25 - 100	
	SQUIX 4 / 4.3	on request	
	SQUIX 6.3	flat	
Surface of an item		fixed	
Height of an item		at rest or in motion	
State of an item			

Roll-on pads

Labels are fed to below a roller subsequent to printing.

The pad moves onto an item.

Labels are carried along by the item and rolled on.

Roll-on pad		A1411	
Type		custom-made	
Label width mm	SQUIX 4 / 4.3	25 - 116	
	SQUIX 6.3	50 - 176	
	SQUIX 4 / 4.3	80 - 200	
Label height mm	SQUIX 6.3	flat	
Surface of an item		flexible	
Height of an item		in motion	
State of an item			