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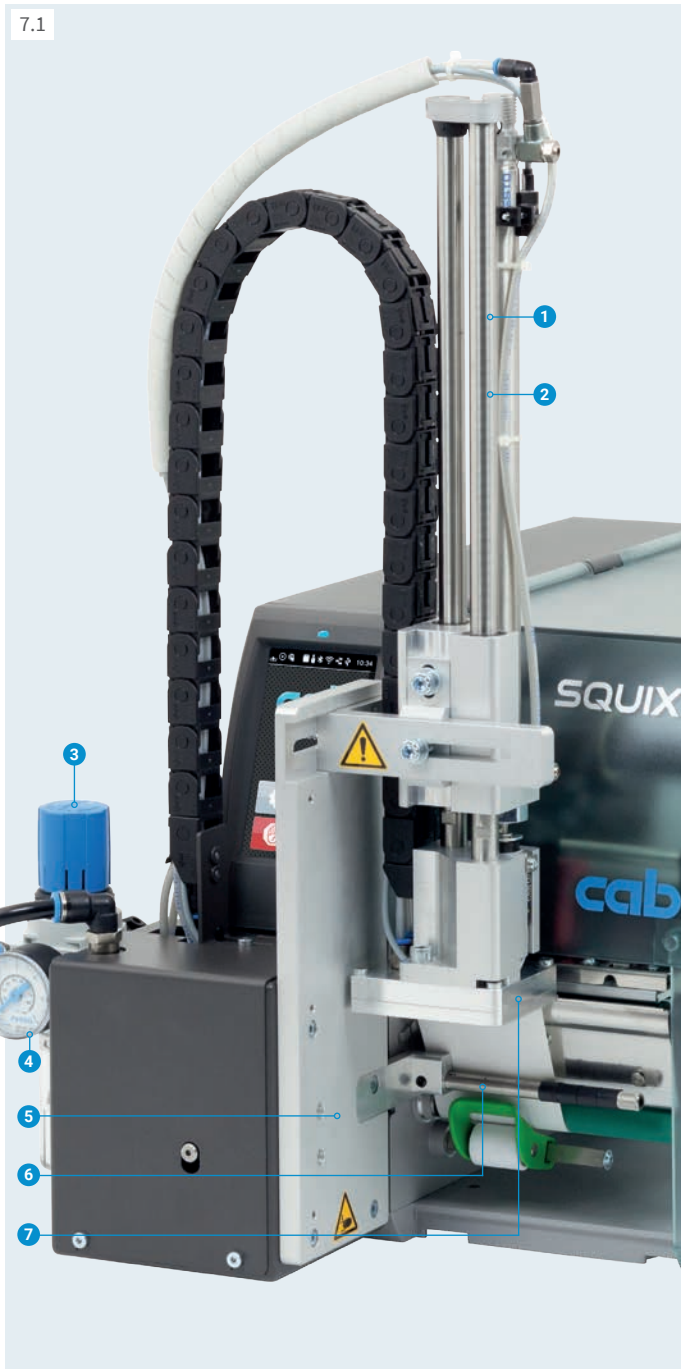


Products need labeling
Label printers
for industrial applications



SQUIX
Made in Germany

Applicator S1000



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 10N (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.

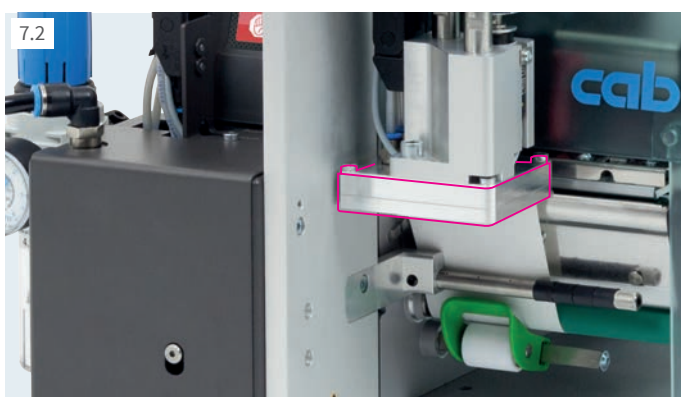
Pre-dispense button

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

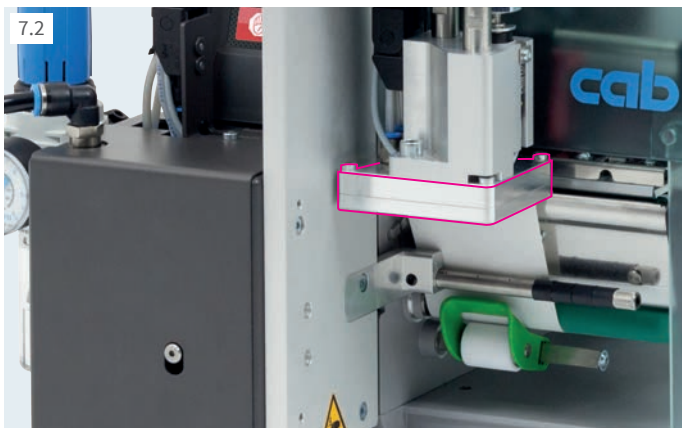


Universal pads

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

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

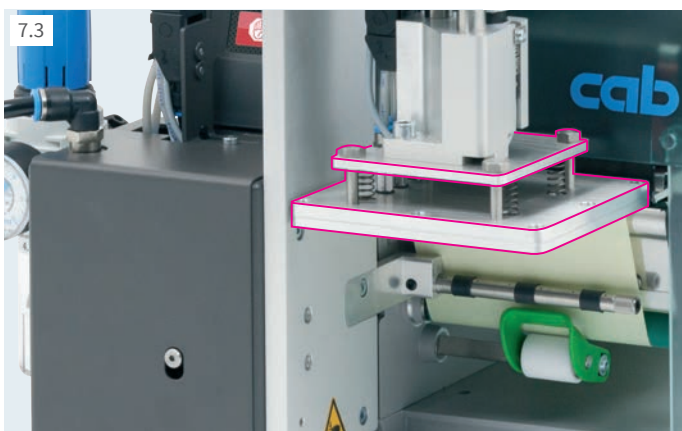
Applicator S1000 accessories



Tamp pads

are manufactured according to the label size.

Technical data		Tamp pad		
		A1021		
To be used with		SQUIX 2	SQUIX 4.3 SQUIX 4	SQUIX 6.3
Label width	mm	25-63	25-116	50-176
Label height	mm	25-200		
Product surface		flat		
Product height		variable		
Product during labeling		not in motion		



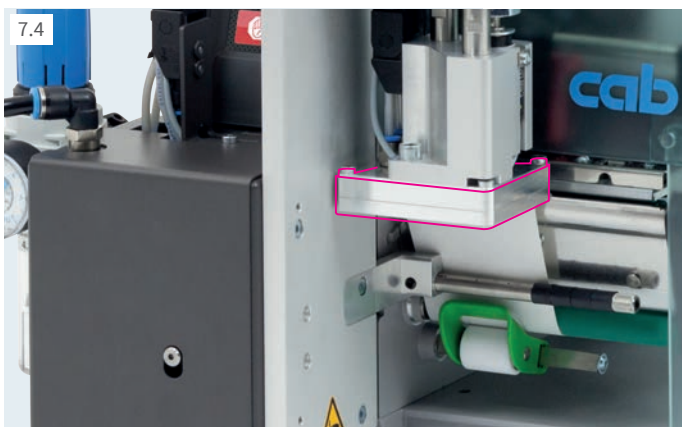
Universal pads spring-mounted

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

Technical data		Universal pad		Tamp pad	
		A1321	A1321	A1321	
To be used with		SQUIX 4.3, 4	SQUIX 4.3, 4	SQUIX 4.3, 4	SQUIX 6.3
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 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.

Technical data		Blow pad		
		A2021		
To be used with		SQUIX 2	SQUIX 4.3, 4	SQUIX 6.3
Label width	mm	25-63	25-116	on request
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.

Technical data		Roll-on pad	
		A1411	
To be used with		SQUIX 4.3, 4	SQUIX 6.3
Label width	mm	25-116	50-176
Label height	mm	80-200	
Product surface		flat	
Product height		variable	
Product during labeling		in motion	

Applicator S3200



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, predisense, compressed air regulation, process reliability and supporting air correspond with the applicator S1000 (see page 18).

Technical data	Applicator	
	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	
Immersion depth up to mm pad F	5	
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		A3200-2100	
To be used with	SQUIX 2	SQUIX 4.3, 4	SQUIX 2	SQUIX 4.3, 4
Label width mm	4-63	10-116	10-63	10-116
Label height mm	6-80		10-80	
Product surface	flat			
Product during labeling	not in motion		in motion or not in motion	

Demand modules



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.

Technical data	Demand module	
	S5104	S5106
To be used with	SQUIX 4.3, SQUIX 4	SQUIX 6.3
Label width mm	25-116	50-176
Label height mm	25-210	
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

All-around labeler

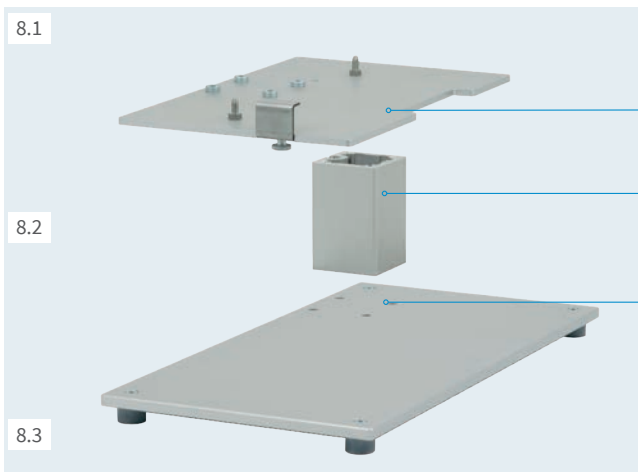


All-around labeler

With the module cylindrical objects can be labeled throughout the entire 360° circumference. The product is laid onto the rolls and the labeling process is started with a hand or foot switch.

Technical data	Tamp pad	
	A1021	M1021
To be used with	SQUIX 2	SQUIX 4.3, SQUIX 4
Label width mm	25-63	25-116
Label height mm	25-140	
Product diameter mm	12-40	
Product surface	cylindric	
Product during labeling	in rotary motion	

Mounting equipment for the SQUIX label printers



Mounting foot

to fix the print and apply system and the product holder

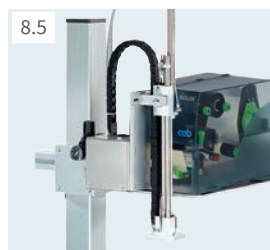
- 1 **Mounting plate**
The print and apply system is assembled on the mounting plate.
- 2 **Profile**
Aluminum square profile, standard lengths 40, 80, 120 mm; other lengths are possible on request
- 3 **Base plate**
to fix the product holder
Standard size 500 x 255 mm



Floor stand

It enables fast and flexible printer use in any production line. The labeling position is easily adjustable according to the height and width of the product. Four guide rollers provide mobility of the carriage. The floor stand is aligned with adjustable feet at the place of application.

Technical data	Floor stand	
	1600	
Total height mm	1,600	
Labeling height up to mm	1,400	
Offset to label centre mm	230-500	
Carriage Width x Height x Depth mm	600 x 140 x 860	



Printer holder

The label printer is fixed on the mounting plate and quick-locked.

Label printers with special covers or protection chassis

1.8



Printers with a conductive ESD surface

Available for all printer types

To protect from electrostatic charge, all parts of the casing are manufactured according to DIN EN 61340-5-1:2016.

Surface resistance according to DIN IEC 60093 $\leq 10^4$ ohm; charge is reduced from 1,000 V to 100 V in less than two seconds

Hinged upper cover available as an accessory

1.9



Printers with a detectable hinged cover for food applications

Available for all printer types

Magnetic cover so that splintered parts can be detected by metal detectors or x-ray inspection systems

Blue surface to distinguish from food products

If requested, the entire casing can be manufactured detectable.

The material complies with the food regulations such as EU no. 10/2011 and FDA CFR 21 177.2600.

9.3



Stainless steel chassis for food applications

Available for printer types SQUIX 4 and SQUIX 6

Labels are removed through the front opening.

To replace the materials, the front flap is opened and the printer is pulled out on telescopic rails. The flap is closed for steam jet cleaning.

Protection class IP69K according to EN 60529

9.4



Dust protection chassis

Available for printer types SQUIX 4 and SQUIX 6

Labels are removed through the front opening.


The fan and the filter provide overpressure and prevent from dust entering the chassis.

Protection class IP52 according to EN 60529

Protection chassis with extraction socket for cleanroom applications

Available for printer types SQUIX 4 and SQUIX 6

Delivery program label printers

Pos.	Part no.	Printers with a left-aligned material guide	Part no.	Print heads	dpi	Part no.	Wear parts	
1.1		5977030	Label printer SQUIX 2/300	5977384.001	Print head 2	300	5954102.001 5954978.001	Print roller DR2 Print roller DRS2
		5977031	Label printer SQUIX 2/600	5977385.001	Print head 2	600		
		5977032	Label printer SQUIX 2/300P	5977384.001	Print head 2	300	5954102.001 5954978.001	Print roller DR2 Print roller DRS2
		5977033	Label printer SQUIX 2/600P	5977385.001	Print head 2	600	5954104.001	Rewind assist roller RR2
1.2		5977014	Label printer SQUIX 4.3/200	5977382.001	Print head 4.3	200	5954180.001 5954985.001	Print roller DR4 Print roller DRS4
		5977015	Label printer SQUIX 4.3/300	5977383.001	Print head 4.3	300		
		5977001	Label printer SQUIX 4/300	5977444.001	Print head 4	300		
		5977002	Label printer SQUIX 4/600	5977380.001	Print head 4	600		
		5977016	Label printer SQUIX 4.3/200P	5977382.001	Print head 4.3	200	5954180.001 5954985.001	Print roller DR4 Print roller DRS4
		5977017	Label printer SQUIX 4.3/300P	5977383.001	Print head 4.3	300		
5977004		Label printer SQUIX 4/300P	5977444.001	Print head 4	300	5954183.001	Rewind assist roller RR4	
1.3		5977034	Label printer SQUIX 6.3/200	5977386.001	Print head 6.3	200	5954245.001 5954979.001	Print roller DR6 Print roller DRS6
		5977035	Label printer SQUIX 6.3/300	5977387.001	Print head 6.3	300		
		5977036	Label printer SQUIX 6.3/200P	5977386.001	Print head 6.3	200	5954245.001 5954979.001	Print roller DR6 Print roller DRS6
		5977037	Label printer SQUIX 6.3/300P	5977387.001	Print head 6.3	300	5954246.001	Rewind assist roller RR6
Pos.	Part no.	Printers with a centered material guide	Part no.	Print heads	dpi	Part no.	Wear parts	
1.4		5977018	Label printer SQUIX 4.3/200M	5977382.001	Print head 4.3	200	5954180.001 5954985.001	Print roller DR4 Print roller DRS4
		5977019	Label printer SQUIX 4.3/300M	5977383.001	Print head 4.3	300	5953700.001 5953701.001	Print roller DR4-M25 Print roller DR4-M50
		5977010	Label printer SQUIX 4/300M	5977444.001	Print head 4	300	5953702.001	Print roller DR4-M80
		5977011	Label printer SQUIX 4/600M	5977380.001	Print head 4	600		
	5977022	Label printer SQUIX 4.3/200MP	5977382.001	Print head 4.3	200	5954180.001 5954985.001	Print roller DR4 Print roller DRS4	
	5977023	Label printer SQUIX 4.3/300MP	5977383.001	Print head 4.3	300	5953700.001 5953701.001	Print roller DR4-M25 Print roller DR4-M50	
	5977007	Label printer SQUIX 4/300MP	5977444.001	Print head 4	300	5953702.001	Print roller DR4-M80	
	5977008	Label printer SQUIX 4/600MP	5977380.001	Print head 4	600	5954183.001	Rewind assist roller RR4	
1.5		5977024	Label printer SQUIX 4.3/300MT	5977383.001	Print head 4.3	300	5954180.001 5954985.001	Print roller DR4 Print roller DRS4
		5977012	Label printer SQUIX 4/300MT	5977444.001	Print head 4	300	5953700.001 5953701.001	Print roller DR4-M25 Print roller DR4-M50
		5977025	Label printer SQUIX 4/600MT	5977380.001	Print head 4	600	5953702.001	Print roller DR4-M80

Pos.	Part no.	Special printers
1.8	5977xxx.124	Printers with a conductive ESD surface
		Label printer SQUIX x/xxx-ESD "x" - choose device from Pos. 1.1-1.5
1.9	5977xxx.122	Printers with a hinged cover for food applications
		Label printer SQUIX x/xxx-FOOD "x" - choose device from Pos. 1.1-1.5

x - user specific part no. following request




















Scope of delivery:

Label printer
Power cable Type E+F, length 1.8 m
Connecting cable USB, length 1.8 m
USB WLAN stick 2.4 GHz 802.11b/g/n
Operator's manual DE/EN

DVD:

Operator's manual in 30 languages
Configuration manual DE/EN/FR
Service manual DE/EN
Spare parts list DE/EN
Programming manual EN
WHQL certified Windows printer drivers for
Windows Vista Server 2008
Windows 7 Server 2008 R2
Windows 8 Server 2012
Windows 8.1 Server 2012 R2
Windows 10 Server 2016
Apple Mac OS X printer drivers DE/EN/FR
Linux printer drivers DE/EN/FR
Label software cablabel S3 Lite
cablabel S3 Viewer
Database Connector

Delivery program accessories

Pos.	Part no.		
2.1		6010186	External operation panel
		5907718	Connecting cable USB, length 1,8 m
		5907730	Connecting cable USB, length 3 m
		5907750	Connecting cable USB, length 5 m
2.3		5977797 5977339	Antistatic brush 2" Antistatic brush 4" / 6"
2.6		5959622	Adapter 100
2.7		5977370	SD memory card 8 GB
2.8		5977730	USB memory stick 8 GB
2.9		5977731	USB WLAN stick with rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.10		5977732	USB Bluetooth adapter
2.11		5978911.597	Barcode tester CC100 for linear and 2D barcodes
Pos.	Part no.	Label peel-off	
2.12		5977585	Present sensor PS800
2.13		5984482	Present sensor PS 2/900
		5977538	Present sensor PS 4/900
2.14		5977735	Present sensor PS1000 MP
2.15		5977798	Extended peel-off plate DP210
		5978908	Extended peel-off plate DP410
		5977799	Extended peel-off plate DP610
2.16		5978909	Product sensor with reflector
Pos.	Part no.	Interfaces, switches	
3.1		5977767	I/O interface
3.2		5917651	I/O interface connector SUB-D 25 pin
3.3		5948205	Label selection - I/O box
3.4		5955710	Hand switch TR2
3.5		5955711	Foot switch










Pos.	Part no.	Connecting cable	
4.1		5550818	Connecting cable RS232 C 9/9 pin, length 3 m
Pos.	Part no.	Label cutting, perforating, stacking	
5.1		5979032	Cutter CU200
		5978900	Cutter CU400
		5979033	Cutter CU600
5.2		5978901	Perforation cutter PCU400/2,5
		5978920	Perforation cutter PCU400/10
5.3		5978902	Stacker with cutter and base frame ST400 M
		5xxxxxx	Support table, label WxH
Pos.	Part no.	Label rewinding, unwinding	
6.1		5979031	Rewind guide plate RG200
		5978903	Rewind guide plate RG400
6.3		5948102.597	External rewinder ER1/210
		5943251.597	External rewinder ER2/210
6.5		5946090	External rewinder ER4/300
		5946420	External rewinder ER6/300
6.6		5946091	External unwinder EU4/300
		5946421	External unwinder EU6/300
6.7		5978943	Adapter kit for ER4, ER6 and EU4, EU6

x - user specific part no. following request

Delivery program accessories

Pos.		Part no.	Applicators, demand modules
7.1		5976086 5976087 5976088	Applicator S1000-220 Applicator S1000-300 Applicator S1000-400
7.2		5949072	Universal pad A1021 70x60
		5949075	Universal pad A1021 90x90
		59xxxxx	Tamp pad A1021 WxH
7.3		5949076	Universal pad A1321 116x102
		5949077	Universal pad A1321 116x152
		59xxxxx	Tamp pad A1321 WxH
7.4		59xxxxx	Blow pad A2021 WxH
7.5		59xxxxx	Roll-on pad A1411 WxH
7.6		5976085	Applicator S3200
7.7		59xxxxx	Tamp pad A3200-1100 WxH
7.8		59xxxxx	Blow pad A3200-2100 WxH
7.9		5976083 5979035	Demand module S5104 Demand module S5106
7.10		5976084	All-around labeler

x - user specific part no. following request

Pos.		Part no.	Mounting equipment
8.1		5979036 5978910 5978923	Mounting plate SQUIX 2 Mounting plate SQUIX 4 Mounting plate SQUIX 6
8.2		5958365 5965929 5971136	Profile 40 Profile 80 Profile 120 special lengths on request
8.3		5961203	Base plate 500x255
8.4		5947400	Floor stand 1600
8.5		5979037 5978922 5979038	Printer holder SQUIX 2 Printer holder SQUIX 4 Printer holder SQUIX 6
Pos.		Part no.	Special covers
9.2		5977773.001 5977764.001 5977774.001	Hinged cover SQUIX 2-FOOD Hinged cover SQUIX 4-FOOD Hinged cover SQUIX 6-FOOD
Pos.		Part no.	Protection chassis
9.3		5979071 5979305	Stainless steel chassis SQUIX 4 Stainless steel chassis SQUIX 6
9.4		5979080 5979300	Dust protection chassis SQUIX 4 220 V Dust protection chassis SQUIX 6 220 V
		5979080.126 5979300.126	Protection chassis cleanroom SQUIX 4 Protection chassis cleanroom SQUIX 6
Pos.		Part no.	Label software
11.7		Freeware	cablabel S3 Lite (Download at cab.de/en)
		5588001 5588100 5588101 5588150 5588151 5588152	cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 additional licence cablabel S3 Pro 4 additional licences cablabel S3 Pro 9 additional licences
11.10		5588002 5588105 5588106 5588155 5588156 5588157	cablabel S3 Print 1 WS cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 1 additional licence cablabel S3 Print 4 additional licences cablabel S3 Print 9 additional licences
		in preparation	cablabel S3 Print Server
11.10		9009950	Programming manual EN, printed copy