

Status: 09/2019



Products need labeling  
Label printers  
for industrial applications



**SQUIX**  
Made in Germany

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Scopes of delivery, design and technical specifications correspond to the date of the printing.  
Subject to change. The data provided in the catalog do not represent any warranty or guarantee.



Information is also  
available on the Internet:  
**[www.cab.de/en/squix](http://www.cab.de/en/squix)**



## SQUIX

Label printers for industrial applications

The professional **SQUIX** label printers are the further development of the successful A<sup>+</sup> printer series. They fit with a wide range of industrial applications. They have been developed with focus on easy and convenient operation and high reliability.

The print mechanics and the chassis are made of high-quality materials and perfectly match in terms of shape and function. A large number of peripherals and software enable customer-specific solutions.

Whether they are operated in stand-alone mode, in a PC application or within a network - the rugged SQUIX printers are always up to the mark. The high-speed processor ensures fast job processing and immediately provides the required label.

- innovative technology
- easy operation
- accurate imprint
- reliable and fast printing
- compact, appealing design
- highest quality standards

Sample applications:

### PCB labels

When only little space is available  
– smallest label size 4 x 3 mm



### Type plates

Pin sharp fonts, graphics and barcodes  
up to 600 dpi



### Cardboard box and pallet labels

up to A5 size





# Industrial printers



**Material guide**  
left-aligned



## 1.1 The slim one

for small labels when little footprint is available

| Label printer        |            | SQUIX 2 |      |
|----------------------|------------|---------|------|
| Printable resolution | dpi        | 300     | 600  |
| Print speed          | up to mm/s | 250     | 150  |
| Print width          | up to mm   | 56.9    | 54.1 |

## 1.2 The universal one

The best-selling industrial device with a wide range of accessories.

| Label printer        |            | SQUIX 4.3 |       | SQUIX 4 |       |
|----------------------|------------|-----------|-------|---------|-------|
| Printable resolution | dpi        | 203       | 300   | 300     | 600   |
| Print speed          | up to mm/s | 250       | 250   | 300     | 150   |
| Print width          | up to mm   | 104       | 108.4 | 105.7   | 105.7 |

## 1.3 The wide one

for Odette and UCC labels in applications in logistics

| Label printer        |            | SQUIX 6.3 |       |
|----------------------|------------|-----------|-------|
| Printable resolution | dpi        | 203       | 300   |
| Print speed          | up to mm/s | 250       | 250   |
| Print width          | up to mm   | 168       | 162.6 |

## Basic versions



for printing on labels and continuous materials that are wound on rolls or fanfold. The material is separated at the jagged tear-off edge. Optionally, it can be cut or externally rewound.

## Peel-off versions P



In addition to the basic version the labels can also be dispensed. The label is separated from the carrier material after the printing. It can be removed manually or by an applicator. Delivery includes digital I/O interface



## The extra wide one

for pallet and barrel labels

| Label printer        |            | A8 <sup>+</sup> |
|----------------------|------------|-----------------|
| Printable resolution | dpi        | 300             |
| Print speed          | up to mm/s | 150             |
| Print width          | up to mm   | 216             |

For further information on the A8<sup>+</sup> see  
[www.cab.de/en/a8plus](http://www.cab.de/en/a8plus)

## Details



*Label printer  
SQUIX 4 P*

### 1 Hinged cover

The two-part cover made of impact-proof plastics folds when it is opened. Therefore, only little footprint is needed. The large panoramic window enables to check the material consumption and to track the full printing process.

### 2 Plungers

One plunger is fixed at the inner side. The second one is adjusted that far to the edge of the label until a good print image is ensured.

### 3 Rugged metal chassis

made of cast aluminum; basis to assemble all components

### 4 Print rollers' coating

Synthetic rubber is standard for accurate imprint; silicone is available as an option for an extra long service life at a higher imprint tolerance

### 5 Peel-off function

Via the peel-off plate, the label is separated from the carrier material. Accurate imprint and dispense are achieved with the powered rewind assist roller and the pinch roller.

### 6 Periphery connection

Additional modules are easy to connect. All peripheral devices are plugged to the printer with two pins and fixed with a screw.

### 7 Ribbon holder

Fast and easy exchange of the ribbon is enabled with the three-part tightening axles.

### 8 Roll holder

The spring-mounted margin stop with a screw cap enables constant tension during material feed and therefore improves accurate imprint. If rolls with 100 mm core diameter are processed, an adapter is recommended.

### 9 Internal rewinder

Peel-off versions allow to rewind labels or carrier materials with or without a cardboard core. The three-part tightening axle provides easy material handling.

### 10 Rocker

When printing is started, the spring-mounted rocker with pulleys made of Teflon dampens the tension and therefore improves accurate imprint.

### 11 Material guide

It is mounted on the rocker. The stop is adjusted to the edge of the label with the rotary knob.

# Label printers M series



Material guide centered

Basic version

Peel-off version P

1.4 **The accurate and versatile one**  
for printing on all materials that are wound on rolls or reels or fanfold - especially very small labels or slim continuous materials such as pressed shrink tubes.

As regards the label width, no adjustment of the plungers is needed.  
Width-adapted print rollers are provided for slim materials.

| Label printer        |            | SQUIX 4.3 M |       | SQUIX 4 M |       |
|----------------------|------------|-------------|-------|-----------|-------|
| Printable resolution | dpi        | 203         | 300   | 300       | 600   |
| Print speed          | up to mm/s | 250         | 250   | 300       | 150   |
| Print width          | up to mm   | 104         | 108.4 | 105.7     | 105.7 |

## Differences compared to a left-aligned material guide

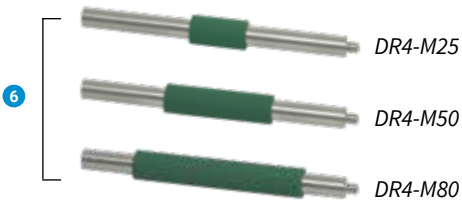
- 1 Ribbon holder**  
Easy insertion of the ribbons is enabled with the three-part tightening axles. A preprinted ruler simplifies the adjustment.
- 2 Roll holder**  
When setting the margin stop, the material roll is automatically centered. If rolls with 100 mm core diameter are processed, an adapter is recommended.
- 3 Plungers**  
Both plungers are fixed for all material widths. No print head settings or adjustments are necessary.
- 4 Material guide**  
The material guide just in front of the print roller provides accurate imprint. The material width is adjusted with a spindle.

**5 Print rollers' coating**  
Synthetic rubber is standard for accurate imprint; silicone is available as an option for an extra long service life at a higher imprint tolerance

**6 Slim print rollers**  
In order to achieve accurate imprint with slim materials and ribbons, also slim print rollers are needed. These prevent from print roller wear, print head contamination and errors during material feed.  
Coating: synthetic rubber



Label printer SQUIX 4 MP





## Label printers MT series



**Material guide  
centered  
with separator**



### 1.5 The textile printer

It is also possible to print on labels or continuous materials that are wound on rolls or reels.

As regards the label width, no adjustment of the plungers is needed.

Width-adapted print rollers are provided for slim materials.

| Label printer        |            | SQUIX 4.3 MT | SQUIX 4 MT |       |
|----------------------|------------|--------------|------------|-------|
| Printable resolution | dpi        | 300          | 300        | 600   |
| Print speed          | up to mm/s | 250          | 300        | 150   |
| Print width          | up to mm   | 108.4        | 105.7      | 105.7 |

### Differences compared to a left-aligned material guide

#### 1 Ribbon holder

Easy insertion of the ribbons is enabled with the three-part tightening axles. A preprinted ruler simplifies the adjustment.

#### 2 Roll holder

When setting the margin stop, the material roll is automatically centered. If rolls with 100 mm core diameter are processed, an adapter is recommended.

#### 3 Plungers

Both plungers are fixed for all material widths. No print head settings or adjustments are necessary.

#### 4 Antistatic brush

Particularly with plastic materials the electrostatic charge is discharged after printing.

#### 5 Separator

At high heat energy the ribbon can stick with the textile tape. A roller reliably separates the material from the ribbon.

#### 6 Material guide

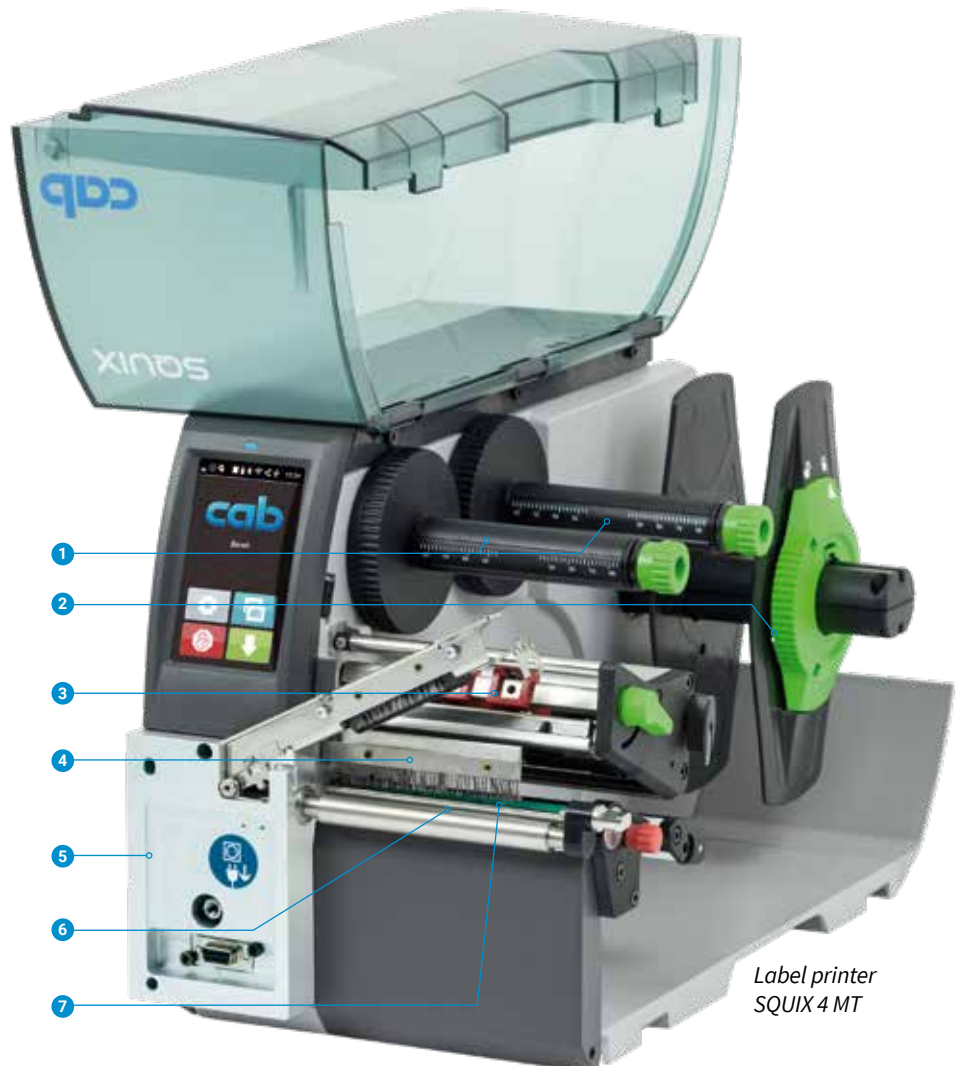
The material guide just in front of the print roller provides accurate imprint. The material width is adjusted with a spindle.

#### 7 Print rollers' coating

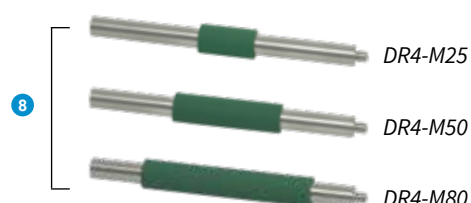
Synthetic rubber is standard for accurate imprint; silicone is available as an option for an extra long service life at a higher imprint tolerance

#### 8 Slim print rollers

In order to achieve accurate imprint with slim materials and ribbons, also slim print rollers are needed. These prevent from print roller wear, print head contamination and errors during material feed. Coating: synthetic rubber



Label printer  
SQUIX 4 MT



## Operation panel

### Intuitive and easy operation with self-explanatory symbols to configure the device setups

- 1 **LED signal:** Power ON
- 2 **Status bar:** Data reception, Record data stream, Ribbon pre-warning, SD memory card / USB memory stick plugged in, Bluetooth, WLAN, Ethernet, USB Slave, Time
- 3 **Printer status:** Ready, Pause, Number of printed labels per print job, Label in peel-off position, Awaiting external start signal
- 4 **USB slot** to connect the Service Key or a memory stick, to load data in the IFFS storage
- 5 **USB WLAN stick** 2.4 GHz 802.11b/g/n included as an extra item in the scope of delivery; In hotspot mode it is possible to directly connect a mobile device with the printer via WLAN.

#### 6 Operation

- |                                                                                   |                              |                                                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------|
|   | Cutter / perforation cutter: | cutting                                                                                                            |
|   | External rewinder:           | winding outside or inside                                                                                          |
|   | Tear-off or peel-off mode:   | print label                                                                                                        |
|   | Applicator:                  | Printing and labeling in individual steps                                                                          |
|  | Jump to menu                 |  Interrupt and continue print job |
|  | Reprint last label           |  Stop and delete all print jobs   |
|                                                                                   |                              |  Label feed                       |



Setup options



Printing parameters



Print position Y



Print speeds



Video tutorials

## External operation panel

### providing the same functionality as on the printer

Landscape or portrait mode display

Users are free to choose whether to operate the printer on the external panel or on the one integrated in the device.

Printer connection: USB 2.0 Hi-speed device

- 1 **LED:** Power ON
- 2 **USB slot** to connect the Service Key or a memory stick, to load data in the IFFS storage
- 3 **Connecting cable USB**, lengths 1,8 m, 3 m, 5 m  
Use only specified cables if length succeeds 3 m; for dimensions see assembly instructions





## Print heads

2.1



**All print heads are freely interchangeable at equal width. They are automatically detected and calibrated by the CPU.**

Major data such as running performance, maximum operating temperature and heat energy are directly stored in the print head. The data can be read at the plant.

### **Print heads for SQUIX 2, SQUIX 4 - 300, 600 dpi**

for a sharp-edge print image  
for type plates with small fonts, graphics  
and material marking with high energy needs

### **Print heads for SQUIX 4.3, SQUIX 6.3 - 203, 300 dpi**

durable, for rough surroundings and thermal direct printing

## Print rollers in two types of material

2.2



### **Print rollers DR**

Coating: synthetic rubber  
They are suited for accurate imprint and provided as standard.

### **Print rollers DRS**

Coating: silicone  
They have an extra long service life at a higher imprint tolerance.

## Interfaces on the back of the device



**1** for a **SD memory card**

**2** **2 x USB host** to connect a Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick, external operation panel

**3** **USB 2.0 Hi-speed device** to connect a PC

**4** **Ethernet 10/100 BASE-T**

**5** **RS232C** 1,200 to 230,400 baud/8 bit

**6** **3.1 Digital I/O interface** standard with peel-off devices, accessory to basic devices  
Labeling is started with a PLC, a sensor or a hand switch.  
At the same time, status and error messages are issued.

Compliant with IEC/EN 61131-2, type 1+3; all inputs and outputs are galvanically isolated and protected from reverse polarity. In addition, outputs are short circuit protected.

### **Inputs PNP**

Start print and apply  
Print first label  
Reprint  
Delete print job  
Label dispensed  
Interrupt labeling  
Pause  
Reset

### **Outputs PNP; NPN on request**

Printer/periphery ready  
Print job available  
Applicator in initial position  
Paper feed ON  
Label in peel-off position  
Applicator in apply position  
Ribbon pre-warning  
Common error

# Technical data

● typical ○ possible ■ standard □ option

|                                                                                         |                                           |                 | 1.1                                                                                                                       |           | 1.2             |           |             | 1.3             |              | 1.4        |                 |       | 1.5      |                 |       |       |
|-----------------------------------------------------------------------------------------|-------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|-----------|-------------|-----------------|--------------|------------|-----------------|-------|----------|-----------------|-------|-------|
| Label printer                                                                           |                                           | Type            | SQUIX 2                                                                                                                   | SQUIX 4.3 | SQUIX 4         | SQUIX 6.3 | SQUIX 4.3 M | SQUIX 4 M       | SQUIX 4.3 MT | SQUIX 4 MT |                 |       |          |                 |       |       |
| Material feed                                                                           |                                           |                 | left-aligned                                                                                                              |           |                 |           |             |                 | centered     |            |                 |       |          |                 |       |       |
| Printing method                                                                         | Thermal transfer                          |                 | ●                                                                                                                         | ●         | ●               | ●         | ●           | ●               | ●            | ●          | ●               | ●     | ●        | ●               | ●     |       |
|                                                                                         | Thermal direct                            |                 | ○                                                                                                                         | –         | ●               | ●         | ○           | –               | ●            | ●          | ○               | –     | ●        | ○               | –     |       |
| Printable resolution                                                                    |                                           | dpi             | 300                                                                                                                       | 600       | 203             | 300       | 300         | 600             | 203          | 300        | 203             | 300   | 300      | 600             | 300   | 600   |
| Print speed                                                                             |                                           | up to mm/s      | 250                                                                                                                       | 150       | 250             | 250       | 300         | 150             | 250          | 250        | 250             | 300   | 150      | 250             | 300   | 150   |
| Print width                                                                             |                                           | up to mm        | 56.9                                                                                                                      | 54.1      | 104             | 108.4     | 105.7       | 105.7           | 168          | 162.6      | 104             | 108.4 | 105.7    | 105.7           | 108.4 | 105.7 |
| Start of printing                                                                       | Distance to locating edge                 | mm              | 2                                                                                                                         | 2.8       | 1.2             | 2         | 0.5         | 3.2             | 25           | centered   |                 |       |          |                 |       |       |
| Material <sup>1)</sup>                                                                  |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Paper, cardboard, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec                    |                                           |                 | ●                                                                                                                         |           | ●               |           | ●           |                 | ●            |            | ●               |       | ●        |                 | ●     |       |
| Shrink tubes                                                                            | ready-for-use                             |                 | –                                                                                                                         |           | ○               |           | ○           |                 | ○            |            | ●               |       | ○        |                 | ○     |       |
|                                                                                         | continuous, pressed                       |                 | –                                                                                                                         |           | –               |           | –           |                 | –            |            | ●               |       | ○        |                 | ○     |       |
| Textile tapes                                                                           |                                           |                 | –                                                                                                                         |           | –               |           | –           |                 | –            |            | ○               |       | ○        |                 | ●     |       |
| Packing                                                                                 | on rolls, fanfold                         |                 | ●                                                                                                                         |           | ●               |           | ●           |                 | ●            |            | ●               |       | ●        |                 | ●     |       |
|                                                                                         | on reels                                  |                 | –                                                                                                                         |           | –               |           | –           |                 | –            |            | ●               |       | –        |                 | ●     |       |
|                                                                                         | Roll diameter                             | up to mm        | 205                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Core diameter                             | mm              | 38.1 - 76                                                                                                                 |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Winding                                   |                 | outside or inside                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Labels                                                                                  | Width                                     | mm              | 4 - 63                                                                                                                    | 20 - 116  |                 |           | 46 - 176    |                 |              | 4 - 110    |                 |       | 4 - 110  |                 |       |       |
|                                                                                         | Height excl. label backfeed <sup>2)</sup> | from mm         | 4                                                                                                                         | 4         |                 |           | 6           |                 |              | 3          |                 |       | 4        |                 |       |       |
|                                                                                         | incl. label backfeed <sup>2)</sup>        | from mm         | 4                                                                                                                         | 6         |                 |           | 12          |                 |              | 4          |                 |       | 6        |                 |       |       |
|                                                                                         | incl. lab. backf. / peel-off              | from mm         | 6                                                                                                                         | 6         |                 |           | 12          |                 |              | 6          |                 |       | –        |                 |       |       |
|                                                                                         | Thickness                                 | mm              | 0.03 - 0.6                                                                                                                |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Liner material                                                                          | Width                                     | mm              | 24 - 67                                                                                                                   | 24 - 120  |                 |           | 50 - 180    |                 |              | 9 - 114    |                 |       | 9 - 114  |                 |       |       |
|                                                                                         | Thickness                                 | mm              | 0.03 - 0.16                                                                                                               |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Continuous material                                                                     | Width                                     | mm              | 24 - 67                                                                                                                   | 24 - 120  |                 |           | 50 - 180    |                 |              | 9 - 114    |                 |       | 9 - 114  |                 |       |       |
|                                                                                         | Thickness                                 | mm              | 0.05 - 0.5                                                                                                                |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Weight (cardboard)                        | up to g/m²      | 300                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Shrink tubes                                                                            | Width ready-for-use                       | up to mm        | –                                                                                                                         | 120       |                 |           | –           |                 |              | 114        |                 |       | 114      |                 |       |       |
|                                                                                         | continuous, pressed                       | mm              | –                                                                                                                         | –         |                 |           | –           |                 |              | 4 - 85     |                 |       | 4 - 85   |                 |       |       |
|                                                                                         | Thickness                                 | up to mm        | –                                                                                                                         | 1.1       |                 |           | –           |                 |              | 1.1        |                 |       | 1.1      |                 |       |       |
| Ribbon <sup>3)</sup>                                                                    | Ink side                                  |                 | outside or inside                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Roll diameter                             | up to mm        | 80                                                                                                                        |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Core diameter                             | mm              | 25.4                                                                                                                      |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Variable length                           | up to m         | 450                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Width                                     | mm              | 25 - 67                                                                                                                   | 25 - 114  |                 |           | 50 - 170    |                 |              | 25 - 114   |                 |       | 25 - 114 |                 |       |       |
| Internal rewinder on peel-off device                                                    |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Outside diameter                                                                        |                                           | up to mm        | 142                                                                                                                       |           |                 |           |             |                 |              |            |                 |       | –        |                 |       |       |
| Core diameter                                                                           |                                           | mm              | 40                                                                                                                        |           |                 |           |             |                 |              |            |                 |       | –        |                 |       |       |
| Winding                                                                                 |                                           |                 | outside                                                                                                                   |           |                 |           |             |                 |              |            |                 |       | –        |                 |       |       |
| Printer sizes and weights                                                               |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Width x Height x Depth                                                                  |                                           | mm              | 200 x 288 x 460                                                                                                           |           | 252 x 288 x 460 |           |             | 312 x 288 x 460 |              |            | 252 x 288 x 460 |       |          | 252 x 288 x 460 |       |       |
| Weight                                                                                  |                                           | kg              | 9                                                                                                                         |           | 10              |           |             | 14              |              |            | 10              |       |          | 10              |       |       |
| Label sensor indicating the position                                                    |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Gap sensor                                                                              |                                           | for             | labels or punch marks and end of material, print marks on transparant materials                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Reflective sensor                                                                       | reflex from below or top                  | for             | labels and end of material, print marks on non-transparent materials                                                      |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Distance of sensor                                                                      | to locating edge                          | left-aligned mm | 5 - 26                                                                                                                    | 5 - 60    |                 |           | 5 - 60      |                 |              | –          |                 |       | –        |                 |       |       |
|                                                                                         | from centre to locating edge              | centered mm     | –                                                                                                                         | –         |                 |           | –           |                 |              | 0 - 55     |                 |       | 0 - 55   |                 |       |       |
| Material passage                                                                        |                                           | up to mm        | 2                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Electronics                                                                             |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Processor 32 bit clock rate                                                             |                                           | MHz             | 800                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Main memory (RAM)                                                                       |                                           | MB              | 256                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Data memory (IFFS)                                                                      |                                           | MB              | 50                                                                                                                        |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Slot to connect a SD memory card (SDHC, SDXC)                                           |                                           | up to GB        | 512                                                                                                                       |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Battery for time and date, real-time clock                                              |                                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Data memory when power is switched off (e.g. serial numbering)                          |                                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Interfaces                                                                              |                                           |                 |                                                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| RS232C 1,200 to 230,400 baud/8 bit                                                      |                                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| USB 2.0 Hi-speed device to connect a PC                                                 |                                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Ethernet 10/100 BASE-T                                                                  |                                           |                 | LPD, IPv4, RawIP printing, DHCP, HTTP/HTTPS, FTP/FTPS, SMTP, SNMP, TIME, NTP, Zeroconf, SOAP web service, VNC             |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| 1 x USB host on the operation panel                                                     |                                           | for             | Service Key or USB memory stick                                                                                           |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| 1 x USB host on the operation panel                                                     |                                           | for             | USB WLAN stick 2.4 GHz 802.11b/g/n                                                                                        |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| 2 x USB host on the back of the device                                                  |                                           | for             | Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick, external operation panel |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| USB WLAN stick 2.4 GHz 802.11b/g/n                                                      |                                           |                 | ■ (included as an extra item in the scope of delivery)                                                                    |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| USB WLAN stick 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac, Hotspot or Infrastructure Mode |                                           |                 | □                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| USB Bluetooth adapter                                                                   |                                           |                 | □                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Peripheral connection USB host, 24 VDC                                                  |                                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
| Digital I/O interface with 8 inputs and outputs                                         | Peel-off device                           |                 | ■                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |
|                                                                                         | Basic device                              |                 | □                                                                                                                         |           |                 |           |             |                 |              |            |                 |       |          |                 |       |       |

<sup>1)</sup> The material specifications are standard values. Applications with small labels, thin, slim, thick and stiff materials as well as strongly adherent labels have to be tested.

<sup>2)</sup> in cases of tearing off, cutting, rewinding

<sup>3)</sup> The ribbon should at least correspond with the width of the liner material.

# Technical data

■ standard □ option

| Operating data                               |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply                                 |                                                                                                                                                                                                                                                                                         | 100 - 240 VAC, 50/60 Hz, PFC                                                                                                                               |
| Power consumption                            |                                                                                                                                                                                                                                                                                         | Standby < 10 W / typical 100 W                                                                                                                             |
| Temperature / humidity                       | Operation                                                                                                                                                                                                                                                                               | +5 - 40°C / 10 - 85 %, not condensing                                                                                                                      |
|                                              | Stock                                                                                                                                                                                                                                                                                   | 0 - 60°C / 20 - 85 %, not condensing                                                                                                                       |
|                                              | Transport                                                                                                                                                                                                                                                                               | -25 - 60°C / 20 - 85 %, not condensing                                                                                                                     |
| Approvals                                    |                                                                                                                                                                                                                                                                                         | CE, FCC Class A, ICES-3, cULus, CB, CoC Mexico, CCC, EAC, BIS, BSMI, KC-Mark, RCM                                                                          |
| Operation panel                              |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
| Colored LCD touch display                    | Screen diagonal                                                                                                                                                                                                                                                                         | " 4,3                                                                                                                                                      |
|                                              | Resolution Width x Height px                                                                                                                                                                                                                                                            | 272 x 480                                                                                                                                                  |
| Setup options                                |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
|                                              | Print Labels<br>Ribbon<br>Tear-off<br>Peel-off<br>Cut<br>Apply<br>Interfaces<br>Error                                                                                                                                                                                                   | Region:<br>- Language<br>- Country<br>- Keyboard<br>- Time zone<br>Time<br>Display:<br>- Brightness<br>- Power saving mode<br>- Orientation<br>Interpreter |
| Status bar                                   |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
|                                              | Data reception<br>Record data stream<br>Ribbon pre-warning<br>SD memory card plugged<br>USB memory stick plugged                                                                                                                                                                        | Bluetooth<br>WLAN<br>Ethernet<br>USB slave<br>Time                                                                                                         |
| Monitoring                                   |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
|                                              | Ribbon pre-warning<br>End of ribbon<br>Direction of ribbon winding<br>End of material                                                                                                                                                                                                   | Periphery error<br>Print head voltage<br>Print head temperature<br>Print head open<br>Pinch roller open<br>(peel-off device, separator)                    |
| Test routines                                |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
| System diagnostics                           | on start-up, including print head detection                                                                                                                                                                                                                                             |                                                                                                                                                            |
| Information display, test printout, analysis | Status printout                                                                                                                                                                                                                                                                         | Test grid                                                                                                                                                  |
|                                              | Fonts list                                                                                                                                                                                                                                                                              | Label profile                                                                                                                                              |
|                                              | List of devices                                                                                                                                                                                                                                                                         | List of events                                                                                                                                             |
|                                              | WLAN status                                                                                                                                                                                                                                                                             | Monitor mode                                                                                                                                               |
| Status reports                               | - Printout of device settings, e.g. print lengths and service hours<br>- Device status request by software command<br>- Display of, e.g., network errors, no links, barcode errors, periphery errors, etc.                                                                              |                                                                                                                                                            |
| Fonts                                        |                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |
| Font types internally provided               | 5 bitmap fonts:<br>12 x 12 dots<br>16 x 16 dots<br>16 x 32 dots<br>OCR-A<br>OCR-B                                                                                                                                                                                                       | 7 vector fonts:<br>AR Heiti Medium GB-Mono<br>CG Triumvirate Condensed Bold<br>Garuda<br>HanWangHeiLight<br>Monospace 821<br>Swiss 721<br>Swiss 721 Bold   |
| to be stored                                 | TrueType fonts                                                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Character sets                               | Windows-1250 to -1257<br>DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869<br>EBDIC 500<br>ISO 8859-1 to -10 and -13 to -16<br>WinOEM 720<br>UTF-8<br>MacRoman<br>DEC MCS<br>KOI8-R<br><br>Western European<br>Eastern European<br>Chinese simplified<br>Chinese traditional<br>Thai |                                                                                                                                                            |
| Bitmap fonts                                 | Cyrillic<br>Greek<br>Latin<br>Hebrew<br>Arabic                                                                                                                                                                                                                                          |                                                                                                                                                            |
| Bitmap fonts                                 | Widths and heights 1 - 3 mm<br>Zoom factors 2 to 10<br>Orientations 0°, 90°, 180°, 270°                                                                                                                                                                                                 |                                                                                                                                                            |
| Vector / TrueType fonts                      | Size in width and height 0,9 - 128 mm<br>Variable zoom<br>Orientation 360° in steps of 1°                                                                                                                                                                                               |                                                                                                                                                            |
| Font styles                                  | bold, italic, underlined, outline, inverse<br>- depending from the font types                                                                                                                                                                                                           |                                                                                                                                                            |
| Character spacing                            | variable or monospace                                                                                                                                                                                                                                                                   |                                                                                                                                                            |

| Graphics                                  |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graphic elements                          | Lines, arrows, rectangles, circles, ellipses<br>- filled or filled with fading                                                                                                                                                                               |                                                                                                                                                                                                                  |
| Graphic formats                           | PCX, IMG, BMP, TIF, MAC, GIF, PNG                                                                                                                                                                                                                            |                                                                                                                                                                                                                  |
| Barcodes                                  |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |
| Linear                                    | Code 39, Code 93<br>Code 39 Full ASCII<br>Code 128 A, B, C<br>EAN 8, 13<br>EAN/UCC 128/GS1-128<br>EAN/UPC Appendix 2<br>EAN/UPC Appendix 5<br>FIM<br>HIBC                                                                                                    | Interleaved 2/5<br>Ident and routing code<br>of Deutsche Post<br>Codabar<br>JAN 8, 13<br>MSI<br>Plessey<br>Postnet<br>RSS 14<br>UPC A, E, E0                                                                     |
| 2D and stacked                            | DataMatrix<br>DataMatrix Rectangle Extension<br>QR code<br>Micro QR code<br>GS1 QR code<br>GS1 DataMatrix<br>PDF 417<br>Micro PDF 417<br>UPS MaxiCode<br>GS1 DataBar<br>Aztec<br>Codablock F<br>RSS 14 truncated, limited, stacked, stacked omni-directional | All codes are variable in terms of height,<br>modular width and ratio; orientations 0°, 90°, 180°, 270°<br>check digit, plain text printout and start / stop code<br>are options depending from the type of code |
| Software                                  |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |
| Label software                            | cablabel S3 Lite<br>cablabel S3 Viewer<br>cablabel S3 Pro<br>cablabel S3 Print                                                                                                                                                                               | ■<br>■<br>□<br>□                                                                                                                                                                                                 |
| Also running with                         | CODESOFT<br>NiceLabel<br>BarTender                                                                                                                                                                                                                           |                                                                                                                                                                                                                  |
| Stand-alone operation                     |                                                                                                                                                                                                                                                              | ■                                                                                                                                                                                                                |
| Windows printer drivers<br>WHQL certified | Windows Vista<br>Windows 7<br>Windows 8<br>Windows 8.1<br>Windows 10                                                                                                                                                                                         | Server 2008<br>Server 2008 R2<br>Server 2012<br>Server 2012 R2<br>Server 2016<br>Server 2019<br>■                                                                                                                |
| Apple Mac OS X<br>printer drivers         | from version 10.6                                                                                                                                                                                                                                            | ■                                                                                                                                                                                                                |
| Linux<br>printer drivers                  | from CUPS 1.2                                                                                                                                                                                                                                                | ■                                                                                                                                                                                                                |
| Programming                               | JScript printer language<br>abc Basic Compiler                                                                                                                                                                                                               | ■<br>■                                                                                                                                                                                                           |
| Integration                               | SAP<br>Database Connector                                                                                                                                                                                                                                    | ■<br>■                                                                                                                                                                                                           |
| Administration                            | Printer control<br>Configuration in Intranet and Internet<br>Network Manager (in preparation)                                                                                                                                                                | ■<br>■<br>■                                                                                                                                                                                                      |

cab uses free and Open Source Software in its products.  
For information see [www.cab.de/opensource](http://www.cab.de/opensource)



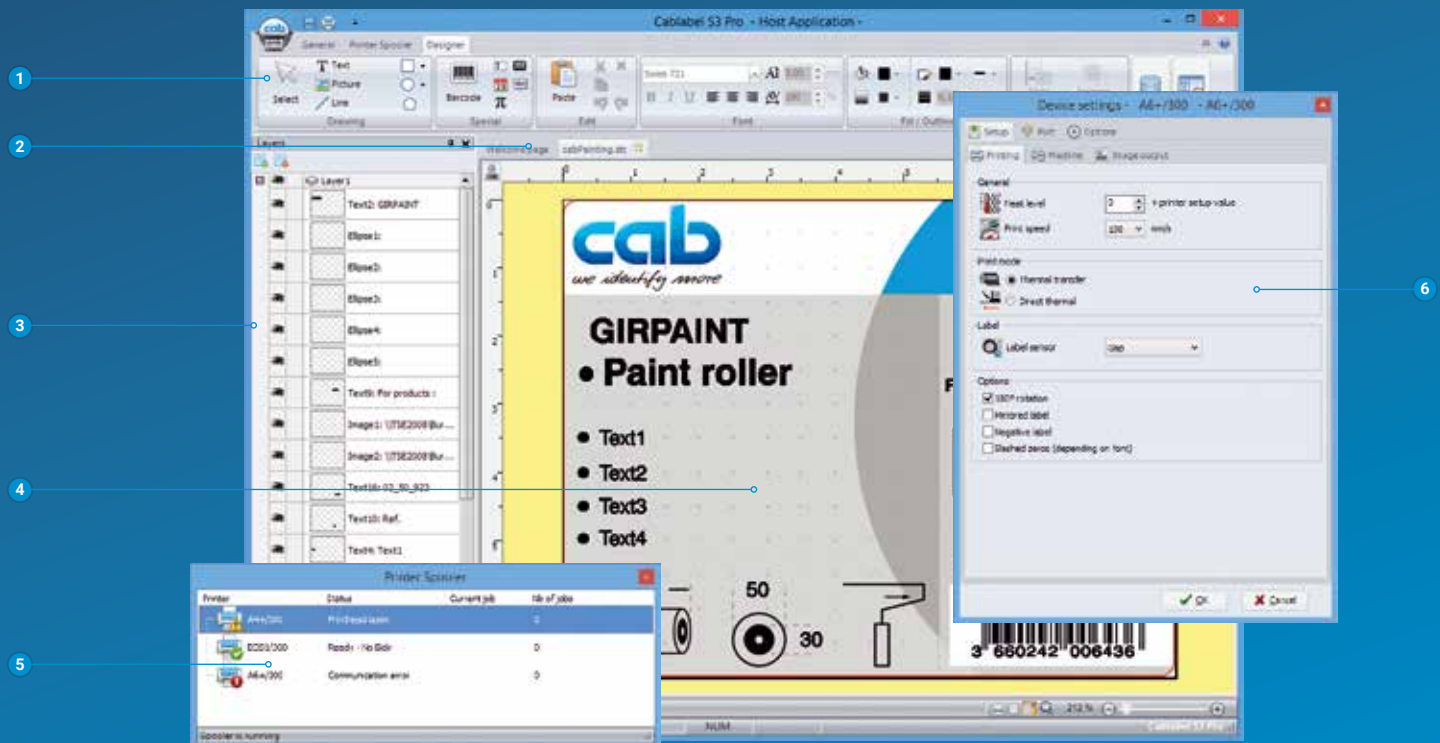
# Label software cablabel S3

## Designing, printing, administrating with cablabel S3

cablabel S3 opens up the full potential of cab devices.

First of all, the label must be designed. Only when it comes to printing it has to be decided whether the label shall be processed on a label printer, a print and apply or marking laser system.

cablabel S3 is of a modular design which makes it adaptable to requirements step by step. To support functions like native JScript programming, elements such as the JScript Viewer are embedded as plug-ins. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated.



- 1 **Toolbar**  
to create different label objects
- 2 **Tabs**  
to quickly switch from one running label design to another
- 3 **Layers**  
to administrate different label objects
- 4 **Designer**  
simplifies the label design and displays the label WYSIWYG
- 5 **Printer spooler**  
to monitor all print jobs and the state of the printer
- 6 **Drivers**  
for setting and the communication with devices

## Printing in stand-alone operation

This operating mode is the printer's ability to select and print labels even when it is not connected to a host system.

The label has to be designed with a software such as cablabel S3 or by direct programming with a text editor on a PC. Label formats, texts, graphics as well as database contents are stored on a memory card, a USB memory stick or in the internal IFFS memory.

Only variable data are sent to the printer via a keyboard, a barcode scanner, scales or other host systems and/or recalled by the Database Connector from the host and printed.



For further information see  
[www.cab.de/en/cablabel](http://www.cab.de/en/cablabel)



# Printer control and administration

## Printer drivers

To control the printer with a software other than cablabel S3, cab provides drivers in 32 / 64 bit for operating systems starting from Windows Vista, Mac OS 10.6 and Linux with CUPS 1.2.



### Windows<sup>1)</sup> drivers

cab printer drivers are certified according to WHQL. They ensure optimum stability on the Windows operating system.



### Mac OS X<sup>2)</sup> drivers

cab provides CUPS-based printer drivers for Mac OS X applications.



### Linux drivers<sup>3)</sup>

Linux drivers are CUPS-based.

Drivers are offered on the DVD delivered with the printer and for free download at [www.cab.de/en/support](http://www.cab.de/en/support)

## Printer programming



### JScript

To control the printer, cab has developed the embedded programming language JScript. See manual for free download at [www.cab.de/en/programming](http://www.cab.de/en/programming)



### abc Basic Compiler

In addition to JScript and as an integral part of the firmware, it allows advanced printer programming before data are sent to printout. For example, external printer languages can be replaced without interfering in the current print job. Also data from other systems such as a scale, a barcode scanner or PLC can be integrated.

## Printer integration



### Printer Vendor Program

As a partner in SAP's<sup>4)</sup> Printer Vendor Program, cab has developed a replace method to enable easy control of a cab printer via SAPScript from SAP R/3. Only variable data are sent to the printer by the host. Pictures and fonts that had priorly been stored in the local memory (IFFS, memory card, etc.) are merged.

#### Step 1

Create a label and a replace file with cablabel S3

#### Step 2

Use the replace file and replace the variable data in SAPScript

#### Step 3

Printout from SAP

<sup>1)</sup> Windows is a registered trademark of Microsoft Corporation

<sup>2)</sup> MAC OS X is a registered trademark of Apple Computer, Inc.

<sup>3)</sup> Only for device series SQUIX (except of SQUIX MT), MACH 4S, EOS, Hermes+ and PX

<sup>4)</sup> SAP and all corresponding logos are trademarks or registered trademarks of SAP SE

## Printer administration



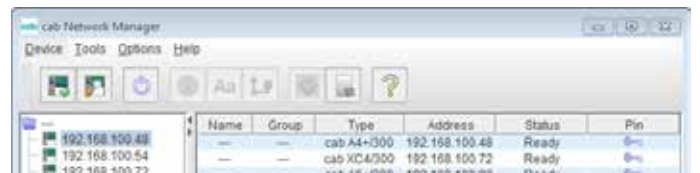
### Configuration in Intranet and Internet

The HTTP and FTP server integrated in the printer via standard programs like a web browser or FTP clients allows printer control and configuration, firmware updates and memory card administration. Via email or SNMP, the SNMP and SMTP client datagram sends status, warning and error messages to administrators and users. Time and date are synchronized by a time server.



### Network Manager in preparation

It is possible to simultaneously manage several printers within the network. Control, configuration, firmware updates, memory card administration, data synchronization and PIN administration are supported from one single location.



### Database Connector

Printers connected to a network may directly access data from a central ODBC or OLEDB-ready database and print it on a label. While printing, data can be rewritten to the database.



# Overview of accessories

● Typical ○ Possible ■ Standard □ Option

| Pos.                                        | Printer add-ons                                   | Basic device | Peel-off device | 1.1     | 1.2               | 1.3       | 1.4                   | 1.5                     |
|---------------------------------------------|---------------------------------------------------|--------------|-----------------|---------|-------------------|-----------|-----------------------|-------------------------|
|                                             |                                                   |              |                 | SQUIX 2 | SQUIX 4.3 SQUIX 4 | SQUIX 6.3 | SQUIX 4.3 M SQUIX 4 M | SQUIX 4.3 MT SQUIX 4 MT |
| 2.1                                         | External operation panel                          | ●            | ●               | □       | □                 | □         | □                     | □                       |
|                                             | Connecting cable USB, lengths 1,8 m, 3 m, 5 m     | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.2                                         | Print rollers DR4-M25, -M50, -M80                 | ●            | ●               | -       | -                 | -         | □                     | □                       |
|                                             | Print roller DRS                                  | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.3                                         | Antistatic brush                                  | ●            | ●               | □       | □                 | □         | □                     | ■                       |
| 2.6                                         | Adapter 100                                       | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.7                                         | SD memory card 8 GB                               | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.8                                         | USB memory stick 8 GB                             | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.9                                         | USB WLAN stick                                    | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.10                                        | USB Bluetooth adapter                             | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 2.11                                        | Barcode tester CC100                              | ●            | ●               | □       | □                 | □         | □                     | -                       |
| <b>Label peel-off</b>                       |                                                   |              |                 |         |                   |           |                       |                         |
| 2.12                                        | Present sensor PS800                              | -            | ●               | □       | □                 | □         | -                     | -                       |
| 2.13                                        | Present sensor PS900                              | -            | ●               | □       | □                 | □         | □                     | -                       |
| 2.14                                        | Present sensor PS1000 MP                          | -            | ●               | -       | -                 | -         | □                     | -                       |
| 2.15                                        | Extended peel-off plate DP410                     | -            | ●               | □       | □                 | □         | □                     | -                       |
| 2.16                                        | Product sensor with reflector                     | -            | ●               | □       | □                 | □         | □                     | -                       |
| <b>Interfaces, switches</b>                 |                                                   |              |                 |         |                   |           |                       |                         |
| 3.1                                         | Digital I/O interface                             | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 3.2                                         | I/O interface connector, SUB-D 25 pin             | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 3.3                                         | Label selection - I/O box                         | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 3.4                                         | Hand switch TR2                                   | ●            | ●               | □       | □                 | □         | □                     | □                       |
| 3.5                                         | Foot switch                                       | ●            | ●               | □       | □                 | □         | □                     | □                       |
| <b>Connecting cable</b>                     |                                                   |              |                 |         |                   |           |                       |                         |
| 4.1                                         | Connecting cable RS232 C, length 3 m              | ●            | ●               | □       | □                 | □         | □                     | □                       |
| <b>Label cutting, perforating, stacking</b> |                                                   |              |                 |         |                   |           |                       |                         |
| 5.1                                         | Cutters CU200, CU400, CU600 with cutter tray      | ●            | ○               | □       | □                 | □         | □                     | □                       |
|                                             |                                                   | ●            | ○               | -       | □                 | -         | □                     | -                       |
| 5.2                                         | Perforation cutters PCU400/2,5, PCU400/10         | ●            | ○               | -       | □                 | -         | □                     | □                       |
| 5.3                                         | Stacker with cutter and base frame ST400 M        | ●            | ○               | -       | -                 | -         | □                     | □                       |
| <b>Label rewinding, unwinding</b>           |                                                   |              |                 |         |                   |           |                       |                         |
| 6.1                                         | Rewind guide plates RG200, RG400                  | -            | ●               | □       | □                 | -         | □                     | -                       |
| 6.3                                         | External rewinders ER1/210, ER2/210 <sup>1)</sup> | ●            | ○               | -       | □                 | □         | ○                     | -                       |
| 6.5                                         | External rewinders ER4/300, ER6/300               | ●            | ○               | -       | □                 | □         | ○                     | -                       |
| 6.6                                         | External unwinders EU4/300, EU6/300               | ●            | ○               | -       | □                 | □         | □                     | □                       |
| 6.7                                         | Adapter kit for rewinders and unwinders           | ●            | ○               | -       | □                 | □         | □                     | □                       |
| <b>Applicators, demand modules</b>          |                                                   |              |                 |         |                   |           |                       |                         |
| 7.1-7.5                                     | Applicators S1000-220, -300, -400                 | -            | ●               | □       | □                 | □         | □                     | -                       |
| 7.6-7.8                                     | Applicator S3200                                  | -            | ●               | □       | □                 | -         | □                     | -                       |
| 7.9                                         | Demand modules S5104, S5106                       | -            | ●               | -       | □                 | □         | -                     | -                       |
| 7.10                                        | All-around labeler                                | -            | ●               | □       | □                 | -         | □                     | -                       |
| <b>Mounting equipment</b>                   |                                                   |              |                 |         |                   |           |                       |                         |
| 8.1                                         | Mounting plate                                    | -            | ●               | □       | □                 | -         | -                     | -                       |
| 8.2                                         | Profiles 40, 80, 120 mm                           | -            | ●               | □       | □                 | -         | -                     | -                       |
| 8.3                                         | Base plate 500 x 255 mm                           | -            | ●               | □       | □                 | -         | -                     | -                       |
| 8.4                                         | Floor stand 1600                                  | -            | ●               | □       | □                 | □         | -                     | -                       |
| 8.5                                         | Printer holder                                    | -            | ●               | □       | □                 | □         | -                     | -                       |
| <b>Special cover</b>                        |                                                   |              |                 |         |                   |           |                       |                         |
| 9.2                                         | Hinged cover for the food industry                | ●            | ●               | □       | □                 | □         | □                     | □                       |
| <b>Protection chassis</b>                   |                                                   |              |                 |         |                   |           |                       |                         |
| 9.3                                         | Stainless steel chassis for food applications     | ●            | ●               | -       | □                 | □         | □                     | -                       |
| 9.4                                         | Dust protection chassis                           | ●            | ●               | -       | □                 | □         | □                     | -                       |
|                                             | Protection chassis for cleanroom applications     | ●            | ●               | -       | □                 | □         | □                     | -                       |

<sup>1)</sup> from the A+ printer series, adapted to SQUIX; provided until the external rewinders ER20x are available

# Accessories

|      |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                          |
|------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.1  |    | <b>External operation panel</b>                                                                                                                                                                                                                                                                                                                                                                          |
|      |                                                                                     | <b>Connecting cable USB</b> , length 1,8 m                                                                                                                                                                                                                                                                                                                                                               |
|      |                                                                                     | <b>Connecting cable USB</b> , length 3 m                                                                                                                                                                                                                                                                                                                                                                 |
|      |                                                                                     | <b>Connecting cable USB</b> , length 5 m                                                                                                                                                                                                                                                                                                                                                                 |
| 2.2  |    | <b>Print roller DR4-M25</b><br>Material width up to 25 mm<br>Synthetic rubber coating for accurate imprint                                                                                                                                                                                                                                                                                               |
|      |                                                                                     | <b>Print roller DR4-M50</b><br>Material width up to 50 mm<br>Synthetic rubber coating for accurate imprint                                                                                                                                                                                                                                                                                               |
|      |                                                                                     | <b>Print roller DR4-M80</b><br>Material width up to 80 mm<br>Synthetic rubber coating for accurate imprint                                                                                                                                                                                                                                                                                               |
|      |                                                                                     | <b>Print roller DRS4</b><br>Material width up to 120 mm<br>Silicone coating for an extra long service life at a higher imprint tolerance                                                                                                                                                                                                                                                                 |
| 2.3  |  | <b>Antistatic brush</b><br>Particularly with plastic materials the electrostatic charge is discharged after printing.                                                                                                                                                                                                                                                                                    |
| 2.6  |  | <b>Adapter 100</b><br>for label rolls with 100 mm core diameter and more than 180 mm outside diameter                                                                                                                                                                                                                                                                                                    |
| 2.7  |  | <b>SD memory card</b> 8 GB                                                                                                                                                                                                                                                                                                                                                                               |
| 2.8  |  | <b>USB memory stick</b> 8 GB                                                                                                                                                                                                                                                                                                                                                                             |
| 2.9  |  | <b>USB WLAN stick</b><br>2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac in infrastructure mode with rod antenna for extended reach                                                                                                                                                                                                                                                                             |
| 2.10 |  | <b>USB Bluetooth adapter</b>                                                                                                                                                                                                                                                                                                                                                                             |
| 2.11 |  | <b>Barcode tester CC100 for linear and 2D barcodes</b><br>The readability or content of a horizontally or vertically printed barcode is checked by a camera right after the printing. In case of a faulty code printing is stopped and the label removed.<br><br>The tester can be used in tear-off mode, peel-off mode or with an external rewinder. For further information see the operator's manual. |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Label peel-off</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.12                        |  <p><b>Present sensor PS800</b><br/>for a left-aligned material guide</p> <p>The sensor detects the label in peel-off position. After the label has been removed the next one is automatically printed.</p> <p>Label width from 16 mm<br/>Label height from 6 mm<br/>Distance to locating edge 7 mm</p>                                                                                                                                           |
| 2.13                        |  <p><b>Present sensor PS900</b><br/>for a left-aligned or centered material guide</p> <p>The moveable sensor is foremost used with very small labels or labels that are shaped according to user specifications. After the label has been removed the next one is automatically printed.</p> <p>Label width from 4 mm<br/>Label height from 6 mm<br/>Left-aligned: distance to locating edge 12-60 mm<br/>centered: position middle centered</p> |
| 2.14                        |  <p><b>Present sensor PS1000 MP</b><br/>for a centered material guide</p> <p>The sensor detects the label in peel-off position. After the label has been removed the next one is automatically printed.</p> <p>Label width from 4 mm<br/>Label height from 6 mm<br/>Position middle centered</p>                                                                                                                                                |
| 2.15                        |  <p><b>Extended peel-off plate DP410</b><br/>for strong-adhesive labels or labels with a thick carrier material that are hard to remove. Only in conjunction with printing on demand triggered via a display button or control signal. A present sensor cannot be used.</p>                                                                                                                                                                    |
| 2.16                        |  <p><b>Product sensor with reflector</b><br/>Reflective light barrier to automatically detect a product on the conveyor belt</p>                                                                                                                                                                                                                                                                                                                |
| <b>Interfaces, switches</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3.1                         |  <p><b>Digital I/O interface</b><br/>Labeling is started with a PLC, a sensor or a hand switch. At the same time, status and error messages are issued. Standard with peel-off devices, accessory to basic devices</p>                                                                                                                                                                                                                          |
| 3.2                         |  <p><b>I/O interface connector</b>, SUB-D 25 pin with screw clamps to connect all control signals to the I/O interface</p>                                                                                                                                                                                                                                                                                                                     |
| 3.3                         |  <p><b>Label selection - I/O box</b><br/>Up to 16 different labels per box can be selected from the memory card by a master control, e.g. PLC. Two boxes can be connected. The I/O box allows simple PLC control processes with four inputs and outputs each via abc programming.</p>                                                                                                                                                           |
| 3.4                         |  <p><b>Hand switch TR2</b><br/>to connect to the I/O interface</p>                                                                                                                                                                                                                                                                                                                                                                              |
| 3.5                         |  <p><b>Foot switch</b><br/>to connect to the I/O interface</p>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Connecting cable</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.1                         |  <p><b>Connecting cable RS232 C</b><br/>9/9 pin, length 3 m</p>                                                                                                                                                                                                                                                                                                                                                                                |



# Accessories

## Label cutting, perforating, stacking

5.1



### Cutter CU

Paper labels, self-adhesive labels, cardboard, textile or plastic materials as well as shrink tubes can be cut.

#### Cutter tray

to collect up to approx. 50 labels

|                            |                  |          | Cutter                                     |                      |                                                        |           |
|----------------------------|------------------|----------|--------------------------------------------|----------------------|--------------------------------------------------------|-----------|
| Technical data             |                  |          | CU200                                      | CU400                |                                                        | CU600     |
| To be used with            |                  |          | SQUIX 2                                    | SQUIX 4.3<br>SQUIX 4 | SQUIX 4.3 M<br>SQUIX 4 M<br>SQUIX 4.3 MT<br>SQUIX 4 MT | SQUIX 6.3 |
| Material                   | Width            | up to mm | 67                                         | 120                  | 114                                                    | 180       |
|                            | Weight cardboard | gr/m²    | 60-300                                     |                      |                                                        |           |
|                            | Thickness        | mm       | 0.05-1.1                                   |                      |                                                        |           |
| Cutting length             |                  | from mm  | 5                                          |                      |                                                        |           |
| Gap height                 |                  | up to mm | 2.5                                        |                      |                                                        |           |
| Cuts/min, without material |                  | up to    | 100                                        |                      |                                                        |           |
| Stop print job when        |                  |          | final cutter position has not been reached |                      |                                                        |           |
| Cutter tray                |                  |          |                                            |                      |                                                        |           |
| Label height               |                  | up to mm | -                                          | 100                  |                                                        | -         |

5.2



### Perforation cutter PCU400

Continuous materials such as textiles or shrink tubes are perforated before they are manually separated. In addition, the materials can also be cut.

|                            |                  |                   | Perforation cutter                                                      |           |
|----------------------------|------------------|-------------------|-------------------------------------------------------------------------|-----------|
| Technical data             |                  |                   | PCU400/2,5                                                              | PCU400/10 |
| To be used with            |                  |                   | SQUIX 4.3, SQUIX 4, SQUIX 4.3 M,<br>SQUIX 4 M, SQUIX 4.3 MT, SQUIX 4 MT |           |
| Perforating                | Web distance     | mm                | 2.5                                                                     | 10        |
|                            | Web width        | mm                | 0.5                                                                     |           |
| Material                   | Width            | up to mm          | 85                                                                      |           |
|                            | Weight cardboard | gr/m <sup>2</sup> | 60-300                                                                  |           |
|                            | Thickness        | mm                | 0.05-1.1                                                                |           |
| Cutting length             |                  |                   | 5                                                                       |           |
| Gap height                 |                  |                   | 2.5                                                                     |           |
| Cuts/min, without material |                  |                   | 100                                                                     |           |
| Stop print job when        |                  |                   | final cutter position has not been reached                              |           |

5.3



### Stacker with cutter ST400 M

- 1 The printed materials are cut and stacked. If the maximum stack height is reached, printing is interrupted. Limitations may apply to stiff or curved materials. We recommend to have these materials tested at our premise.
- 2 With the base frame the devices can be placed anywhere on the table.

|                            |                  |                   | Stacker with cutter                                                                                         |     |
|----------------------------|------------------|-------------------|-------------------------------------------------------------------------------------------------------------|-----|
| Technical data             |                  |                   | ST400 M                                                                                                     |     |
| To be used with            |                  |                   | SQUIX 4.3 M, SQUIX 4 M<br>SQUIX 4.3 MT, SQUIX 4 MT                                                          |     |
| Material                   | Width            | mm                | 20-100                                                                                                      |     |
|                            | Weight cardboard | gr/m <sup>2</sup> | 60-300                                                                                                      |     |
|                            | Thickness        | mm                | 0.05-0.8                                                                                                    |     |
| Cutting length             |                  |                   | 20-150                                                                                                      |     |
| Gap height                 |                  |                   | 1.2                                                                                                         |     |
| Cuts/min, without material |                  |                   | 100                                                                                                         |     |
| Stop print job when        |                  |                   | Final cutter position has not been reached, paper jam,<br>stacker cover open, stack height has been reached |     |
| Stack height               |                  |                   | up to mm                                                                                                    | 100 |



### Support table - label W x H

The support table and the protective cover are adapted to the label size. They have to be ordered separately.

# Accessories

6.1



6.3



6.5



6.6



## Label rewinding

with or without a cardboard core

### Rewind guide plates RG for internal rewinding

Internal rewinding is possible with peel-off printers. The peel-off plate is replaced by a rewind guide plate.

| Technical data                                                                    |                                      | Rewind guide plate |                          |                            |
|-----------------------------------------------------------------------------------|--------------------------------------|--------------------|--------------------------|----------------------------|
|                                                                                   |                                      | RG200              | RG400                    |                            |
|  | To be used with                      | SQUIX 2 P          | SQUIX 4.3 P<br>SQUIX 4 P | SQUIX 4.3 MP<br>SQUIX 4 MP |
|                                                                                   | Material width up to mm              | 67                 | 120                      | 114                        |
|                                                                                   | Roll diameter up to mm               | 142                |                          |                            |
|                                                                                   | Tightening axle for core diameter mm | 38.1-40            |                          |                            |
|                                                                                   | Winding                              | outside            |                          |                            |

### External rewinders ER1, ER2 to connect directly to the printer

The rewinder is screwed with the label printer. Label winding is either outside or inside. The electronic swing arm control ensures that the winding stays consistent and tight.

| Technical data                       |  | External rewinder                            |         |
|--------------------------------------|--|----------------------------------------------|---------|
|                                      |  | ER1/210                                      | ER2/210 |
| To be used with                      |  | SQUIX 4.3, SQUIX 4<br>SQUIX 4.3 M, SQUIX 4 M |         |
| Material width up to mm              |  | 120                                          | 180     |
| Roll diameter up to mm               |  | 205                                          |         |
| Tightening axle for core diameter mm |  | 76                                           |         |
| Winding                              |  | outside or inside                            |         |

### External rewinders ER4, ER6 with built-in power supply

The rewinder may be attached to any external printer. Label winding is either outside or inside. The electronic swing arm control ensures that the winding stays consistent and tight.

|                                      |          | External rewinder                            |           |
|--------------------------------------|----------|----------------------------------------------|-----------|
| Technical data                       |          | ER4/300                                      | ER6/300   |
| To be used with                      |          | SQUIX 4.3, SQUIX 4<br>SQUIX 4.3 M, SQUIX 4 M | SQUIX 6.3 |
| Material width                       | up to mm | 120                                          | 180       |
| Roll diameter                        | up to mm | 300                                          |           |
| Tightening axle<br>for core diameter | mm       | 76                                           |           |
| Winding                              |          | outside or inside                            |           |
| Adapter kit for                      |          |                                              |           |
| ER4, ER6 with SQUIX                  |          |                                              |           |
| ER4, ER6 and EU4, EU6 with SQUIX     |          |                                              |           |

## Label unwinding

### External unwinders EU

ensure consistent label feed with heavy rolls. Either outside or inside wound rolls can be processed.

|                                  |                 | External unwinder    |                                                        |           |
|----------------------------------|-----------------|----------------------|--------------------------------------------------------|-----------|
| Technical data                   |                 | EU4/300              |                                                        | EU6/300   |
| To be used with                  |                 | SQUIX 4.3<br>SQUIX 4 | SQUIX 4.3 M<br>SQUIX 4 M<br>SQUIX 4.3 MT<br>SQUIX 4 MT | SQUIX 6.3 |
| Material width                   | up to mm        | 120                  | 114                                                    | 180       |
| Roll diameter                    | up to mm        | 300                  |                                                        |           |
| Core diameter                    | mm              | 38.1                 |                                                        |           |
|                                  | with adapter mm | 76                   |                                                        |           |
| Winding                          |                 | outside or inside    |                                                        |           |
| Adapter kit for                  |                 |                      |                                                        |           |
| EU4, EU6 with SQUIX              |                 |                      |                                                        |           |
| ER4, ER6 and EU4, EU6 with SQUIX |                 |                      |                                                        |           |

# 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 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.

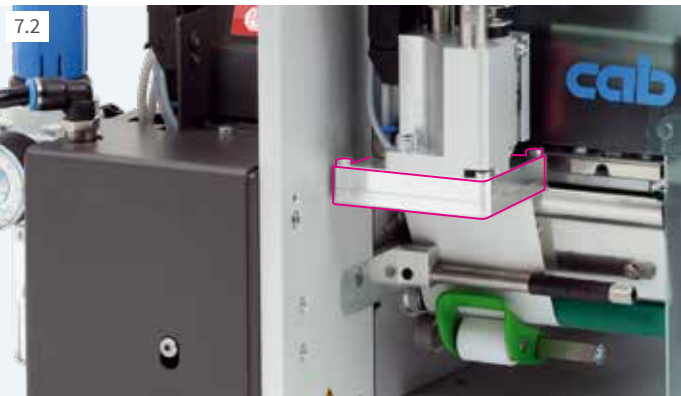
## Pre-dispense button

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.

|                                  |     | Applicator                                                       |           |           |
|----------------------------------|-----|------------------------------------------------------------------|-----------|-----------|
| Technical data                   |     | S1000-220                                                        | S1000-300 | S1000-400 |
| To be used with                  |     | SQUIX 2, SQUIX 4.3, SQUIX 4<br>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. <sup>1)</sup> |     | 25 labels/min                                                    |           |           |

<sup>1)</sup> Calculated with 100 mm stroke below device, label height 100 mm, print speed 100 mm/s

# Accessories

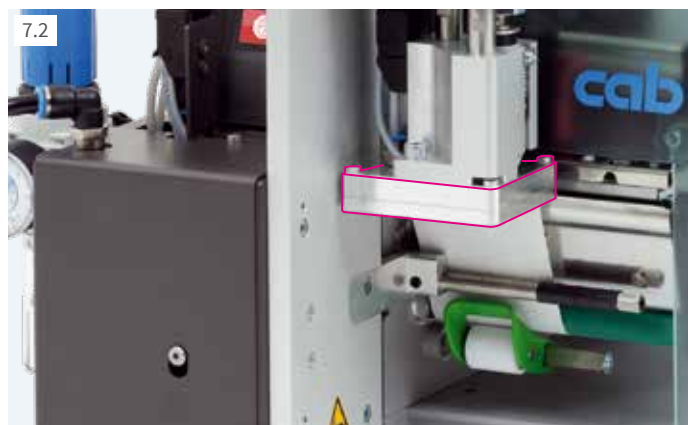


## Universal pads

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

|                         |    | Universal pad |                      |                      |
|-------------------------|----|---------------|----------------------|----------------------|
| Technical data          |    | A1021         |                      | A1021                |
| To be used with         |    | SQUIX 2       | SQUIX 4.3<br>SQUIX 4 | SQUIX 4.3<br>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 |                      |                      |

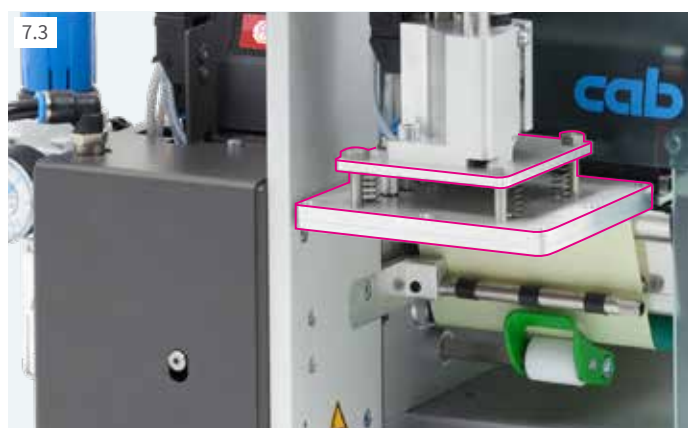
# Applicator S1000 accessories



## Tamp pads

are manufactured according to the label size.

|                         |    | Tamp pad      |                      |           |
|-------------------------|----|---------------|----------------------|-----------|
| Technical data          |    | A1021         |                      |           |
| To be used with         |    | SQUIX 2       | SQUIX 4.3<br>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 |                      |           |



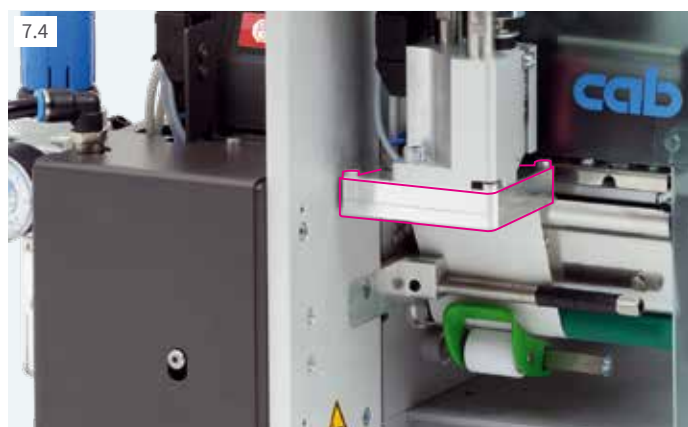
## Universal pads spring-mounted

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

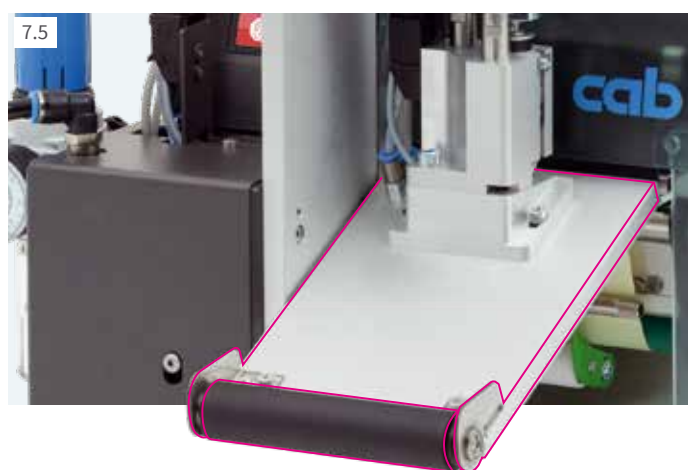
|                         |    | Universal pad |              | Tamp pad     |           |
|-------------------------|----|---------------|--------------|--------------|-----------|
| Technical data          |    | A1321         | A1321        | A1321        |           |
| To be used with         |    | 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.

|                         |    | Blow pad                   |              |            |
|-------------------------|----|----------------------------|--------------|------------|
| Technical data          |    | 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.

|                         |    | Roll-on pad  |           |
|-------------------------|----|--------------|-----------|
| Technical data          |    | 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, predispose, 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. <sup>1)</sup> | 20 labels/min                                       |  |

<sup>1)</sup> Calculated with label height 40 mm, print speed 100 mm/s

## Tamp or blow pads

are manufactured according to the label size.

|                         | Tamp pad      |              | Blow pad                   |              |
|-------------------------|---------------|--------------|----------------------------|--------------|
| Technical data          | 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. <sup>1)</sup>              | 60 labels/min                                  |           |

<sup>1)</sup> Calculated with label height 100 mm, print speed 100 mm/s

# All-around labeler

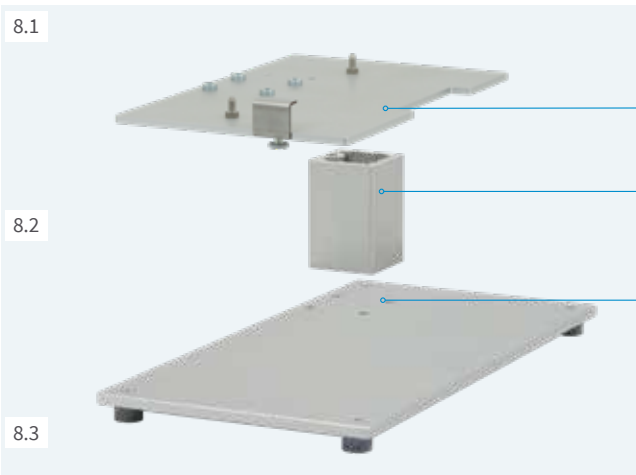


## All-around labeler

With the module cylindric 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

## Maintenance



### Label sensor

It can be unlocked with finger pressure and pulled out for cleaning.



### Print head

Easy exchange in few simple steps. Adjustments or setups are basically not necessary.

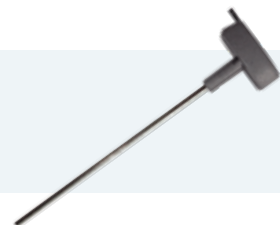


### Print roller

It can be easily unlocked with a screw for cleaning or replacement.

### Assembly tool

ONE tool is provided with the printer to replace all components or to mount periphery.



## Services

Well-trained cab service engineers worldwide support in the maintenance and repair of the devices.

Send your printer to a cab service center or a cab service partner selected by us. Your device will be checked and repaired within few workdays. If requested, a loan device will be offered.

You prefer maintenance and repair on-site in your company? Then make an appointment with our Services Department: Phone **+49 721 6626 300**, Email: [service.de@cab.de](mailto:service.de@cab.de)

## Training

Enhance your know-how on cab devices with regard to an effective use, service and repair.

In Karlsruhe we offer trainings on the handling of the devices, label design, software, printer drivers, programming, database access as well as on how to integrate in networks or superior ERP systems. We gladly send you detailed information on all our current training offers on request.

**Individually we offer trainings according to your specific demands - in Karlsruhe or on-site in your company.**





# 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                               | Print roller DR2                                                  |
|      |                                                                                     | 5977031  | Label printer SQUIX 2/600                   | 5977385.001 | Print head 2   | 600 | 5954978.001                               | Print roller DRS2                                                 |
|      |                                                                                     | 5977032  | Label printer SQUIX 2/300P                  | 5977384.001 | Print head 2   | 300 | 5954102.001                               | Print roller DR2                                                  |
|      |                                                                                     | 5977033  | Label printer SQUIX 2/600P                  | 5977385.001 | Print head 2   | 600 | 5954104.001                               | Print roller DRS2<br>Rewind assist roller RR2                     |
| 1.2  |    | 5977014  | Label printer SQUIX 4.3/200                 | 5977382.001 | Print head 4.3 | 200 | 5954180.001<br>5954985.001                | Print roller DR4<br>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<br>5954985.001<br>5954183.001 | Print roller DR4<br>Print roller DRS4<br>Rewind assist roller RR4 |
|      |                                                                                     | 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 |                                           |                                                                   |
|      |                                                                                     | 5977005  | Label printer SQUIX 4/600P                  | 5977380.001 | Print head 4   | 600 |                                           |                                                                   |
| 1.3  |    | 5977034  | Label printer SQUIX 6.3/200                 | 5977386.001 | Print head 6.3 | 200 | 5954245.001                               | Print roller DR6                                                  |
|      |                                                                                     | 5977035  | Label printer SQUIX 6.3/300                 | 5977387.001 | Print head 6.3 | 300 | 5954979.001                               | Print roller DRS6                                                 |
|      |                                                                                     | 5977036  | Label printer SQUIX 6.3/200P                | 5977386.001 | Print head 6.3 | 200 | 5954245.001                               | Print roller DR6                                                  |
|      |                                                                                     | 5977037  | Label printer SQUIX 6.3/300P                | 5977387.001 | Print head 6.3 | 300 | 5954979.001<br>5954246.001                | Print roller DRS6<br>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                               | Print roller DR4                                                  |
|      |                                                                                     | 5977019  | Label printer SQUIX 4.3/300M                | 5977383.001 | Print head 4.3 | 300 | 5954985.001                               | Print roller DRS4                                                 |
|      |                                                                                     | 5977010  | Label printer SQUIX 4/300M                  | 5977444.001 | Print head 4   | 300 | 5953700.001                               | Print roller DR4-M25                                              |
|      |                                                                                     | 5977011  | Label printer SQUIX 4/600M                  | 5977380.001 | Print head 4   | 600 | 5953701.001                               | Print roller DR4-M50                                              |
|      |  | 5977022  | Label printer SQUIX 4.3/200MP               | 5977382.001 | Print head 4.3 | 200 | 5953702.001                               | Print roller DR4-M80                                              |
|      |                                                                                     | 5977023  | Label printer SQUIX 4.3/300MP               | 5977383.001 | Print head 4.3 | 300 | 5954180.001                               | Print roller DR4                                                  |
|      |                                                                                     | 5977007  | Label printer SQUIX 4/300MP                 | 5977444.001 | Print head 4   | 300 | 5954985.001                               | Print roller DRS4                                                 |
|      |                                                                                     | 5977008  | Label printer SQUIX 4/600MP                 | 5977380.001 | Print head 4   | 600 | 5953700.001                               | Print roller DR4-M25                                              |
| 1.5  |  | 5977024  | Label printer SQUIX 4.3/300MT               | 5977383.001 | Print head 4.3 | 300 | 5953701.001                               | Print roller DR4-M50                                              |
|      |                                                                                     | 5977012  | Label printer SQUIX 4/300MT                 | 5977444.001 | Print head 4   | 300 | 5953702.001                               | Print roller DR4-M80                                              |
|      |                                                                                     | 5977025  | Label printer SQUIX 4/600MT                 | 5977380.001 | Print head 4   | 600 |                                           |                                                                   |

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

x - user specific part no. following request

| Scope of delivery: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DVD:               | Label printer<br>Power cable Type E+F, length 1.8 m<br>Connecting cable USB, length 1.8 m<br>USB WLAN stick 2.4 GHz 802.11b/g/n<br>Operator's manual DE/EN                                                                                                                                                                                                                                                                                                                                                                                             |
|                    | Operator's manual in 30 languages<br>Configuration manual DE/EN/FR<br>Service manual DE/EN<br>Spare parts list DE/EN<br>Programming manual EN<br>WHQL certified Windows printer drivers for<br>Windows Vista      Server 2008<br>Windows 7          Server 2008 R2<br>Windows 8          Server 2012<br>Windows 8.1        Server 2012 R2<br>Windows 10         Server 2016<br>Server 2019<br>Apple Mac OS X printer drivers DE/EN/FR<br>Linux printer drivers DE/EN/FR<br>Label software cablabel S3 Lite<br>cablabel S3 Viewer<br>Database Connector |

# Delivery program accessories

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

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

x - user specific part no. following request

# Delivery program accessories

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

x - user specific part no. following request

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

# cab product overview

**Label printers MACH1, MACH2**  
in the lower price segment



**Label printers MACH 4S**  
where little space is available



**Label printers EOS2**  
Desktop device for label rolls  
up to diameter 152 mm



**Label printers EOS5**  
Desktop device for label rolls  
up to diameter 203 mm



**Label printers SQUIX 2**  
Industrial device for print widths  
up to 57 mm



**Label printers SQUIX 4**  
Industrial device for print widths  
up to 108 mm



**Label printers SQUIX 6.3**  
Industrial device for print widths  
up to 168 mm



**Label printers A8+**  
Industrial device for print widths  
up to 216 mm



**Label printers XD4T**  
for double-sided printing



**Label printers XC**  
for two-color printing



**Print and apply systems HERMES Q**  
for automation



**Print and apply systems Hermes C**  
for two-color printing and applying



**Print modules PX**  
to be integrated in labeling machines



**Labels**  
made from more than 400 materials



**Ribbons**  
in wax, resin and resin/wax qualities



**Label software cablabel S3**  
Design, print, control



**Label dispensers HS, VS**  
for horizontal or vertical dispense



**Labeling heads IXOR**  
to be integrated in labeling machines



**Marking lasers XENO 4**  
in 19" housings



**Laser marking systems**  
in desktop housings





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