we identify more

Edition 2.0


SQUIX

Made in Germany

# Contents



*All information on scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change.*

*For current data see website www.cab.de/en/squix*

# Label printers SQUIX for industrial application


**SQUIX are the further development of the successful A+ printers.**

**SQUIX represent**

- **innovative technology,**
- **easy operation,**
- **accuracy of impression,**
- **reliable and fast printing,**
- **compact, appealing design,**
- **highest quality standards.**

The professional industrial label printers SQUIX can be used in a wide variety of applications. Their development is foremost focused on simple and convenient operation coupled with high reliability.

The print mechanics and housings are made of high-quality materials and perfectly match in terms of shape and function. A wide range of peripherals and software enable specific customized solutions.

Regardless of whether they are operated in stand-alone mode, in a PC application or in a network – the solid SQUIX printers are always up to the mark. A high-speed processor ensures fast printing processes and immediate label output.

**Sample applications:**

**PCB labels**
If there is only little space available – smallest label size 4 x 4 mm


**Type plates**
Pin sharp 600 dpi fonts, graphics and barcodes


**Cardboard box and pallet labels**
Labels up to A6 format

# Type overview SQUIX 4

## Material guide left-aligned

### 1.1 Basic versions

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

### 1.2 Dispensing versions P

In addition to the basic model the labels can be dispensed. The label is removed from the liner during the printing process. It can be removed manually or by applicator.

Delivery includes I/O interface

---

## Material guide centered

### 1.3 Basic versions M

For printing on all materials that are wound on rolls or reels resp. fanfold. Especially for very small labels and slim continuous materials such as pressed tubes. There is no need of adjusting the label width on the print head. For small materials adapted print rollers are offered.

### 1.4 Dispensing versions MP

In addition to the basic model the labels can be dispensed. The label is removed from the liner during the printing process. It can be removed manually or by applicator.

Delivery includes I/O interface

### With RFID write/read device in preparation

**1.5 HF according to ISO/IEC 15693 with 13.56 MHz**

**1.6 UHF according to ISO/IEC 18000-6C/EPC Class 1 Gen 2**

When using Smart Labels, the integrated RFID chips are tested and qualified with data before printing. In case of an error the label is marked. To get good results in both writing and reading even when small labels are processed, the antenna position is centered just above the transponder.

### 1.7 Basic versions with separator MT

for continuous textile materials

Because of high heat energy while printing and the electrostatic charge of the materials the ribbon may stick with the textile tape. A separator guarantees reliable separation. It is recommended to select the print roller according to the maximum width of the textile tape resp. ribbon.

# Technical details


*Label printer*
*SQUIX 4 MP*

**1 Hinged cover**
The two-part cover made of impact-proof plastics folds when opened. Only little footprint is needed. The large panoramic window allows to check the consumption of material and track the full printing process.

**2 Solid metal chassis**
Made of cast aluminum. All components are mounted on it.

**3 Peel-off function**
The label is removed from its liner via peel-off plate. High accuracy of printing and applying is achieved with the powered rewind assist and pinch rollers.

**4 Peripheral connection**
Add-on modules are easy to connect. All peripheral devices are plugged in the printer with two pins and fixed with a screw.

**5 Ribbon holder**
The three-part tightening axles enable a quick and easy exchange of ribbon.

**6 Roll holder**
The spring-mounted margin stop ensures constant tension during material feed, thus high accuracy of printing. For heavy rolls with core diameters of 76 or 100 mm an adapter is recommended.

**7 Internal rewinder**
With the rewinder labels or liners with or without a cardboard core can be rewound. The three-part tightening axle allows easy removal of the material.

**8 Rocker**
The resilient rocker with pulleys made of Teflon dampens the tension at print start, thus improving the accuracy of impression.

# Operation panel

**Intuitive and easy operation with self-explanatory symbols for configuration of the printer settings**


## Display

1 **Power on**

2 **Headline**
These functions are displayed:
receive print data, record data stream, ribbon warning, USB memory stick, SD memory card, USB, LAN, WLAN, Bluetooth, time

3 **Status reports**
Ready, pause, number of printed label per print job, label in dispensing position, waiting for external start signal

## Buttons

4 For **options** with the following functions
Cutter/perforation cutter: direct cutting
External rewinder: winding inside and outside
Tear-off or peel-off mode: printing of the next label
Applicator: application of the label

5 **Operation**

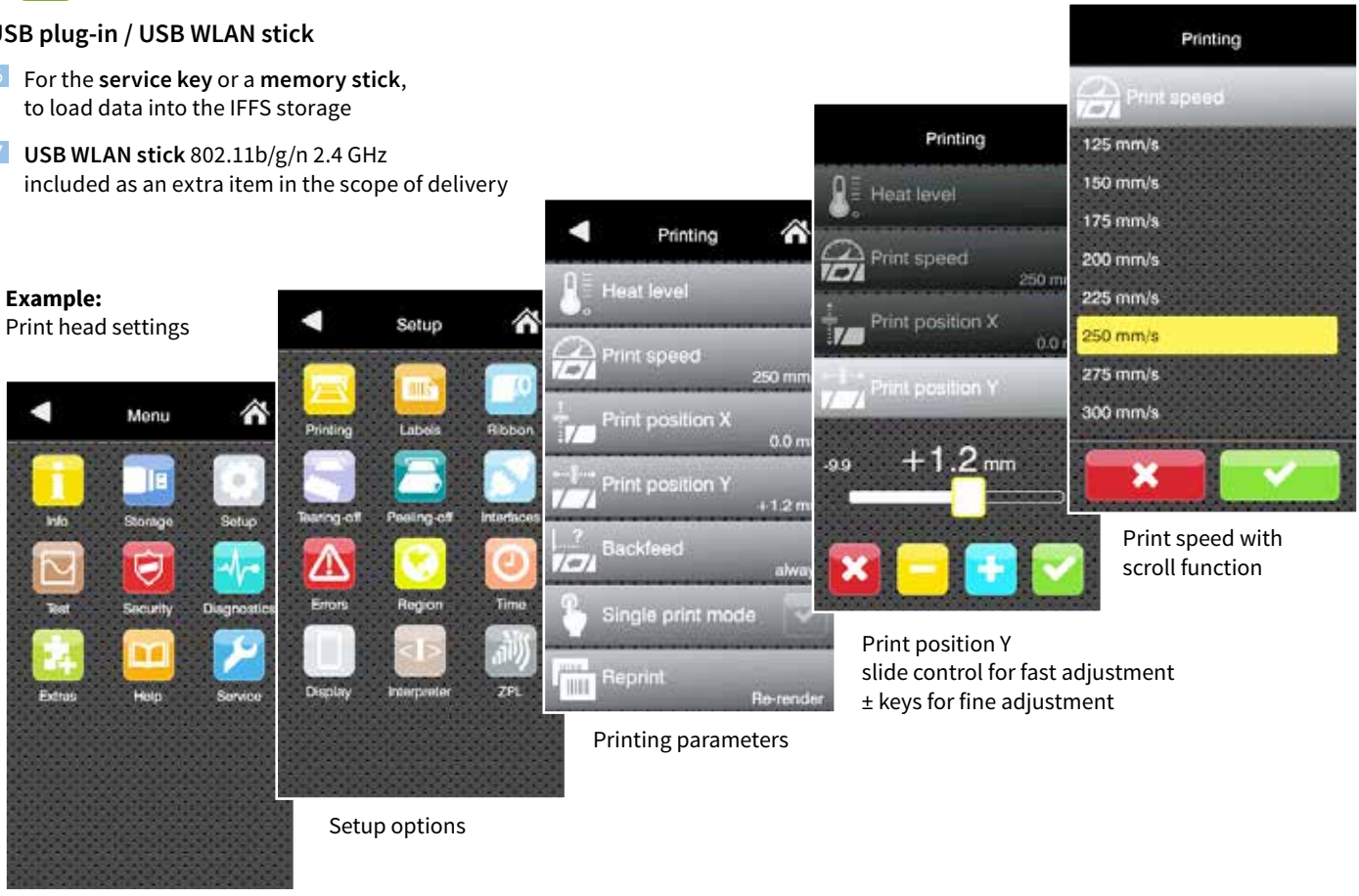
- Jump to menu
- Repetition of the last label
- Interruption and continuation of the print job
- Stop and deletion of all print jobs
- Label feed

## USB plug-in / USB WLAN stick

6 For the **service key** or a **memory stick**, to load data into the IFFS storage

7 **USB WLAN stick** 802.11b/g/n 2.4 GHz included as an extra item in the scope of delivery

**Example:**
Print head settings




Menu selection

Setup options

Printing parameters

Print position Y
slide control for fast adjustment
± keys for fine adjustment

Print speed with scroll function

# Print heads

2.1

All print heads are automatically detected and calibrated by the CPU. Major data like running performance, maximum operating temperature and heating energy are stored directly in the print head. The data can be read out at the plant.

**Print heads type 4 - 300, 600 dpi**
With a particularly sharp-edge print image;
They are suitable for type plates with small fonts and graphics.
They are, amongst others, required for resin ribbons with high energy needs.

**Print heads type 4.3 - 200, 300 dpi**
They are recommended especially for direct thermal printing and application in rough surroundings.

# Print rollers

2.2

Two types of material are provided for the different applications:

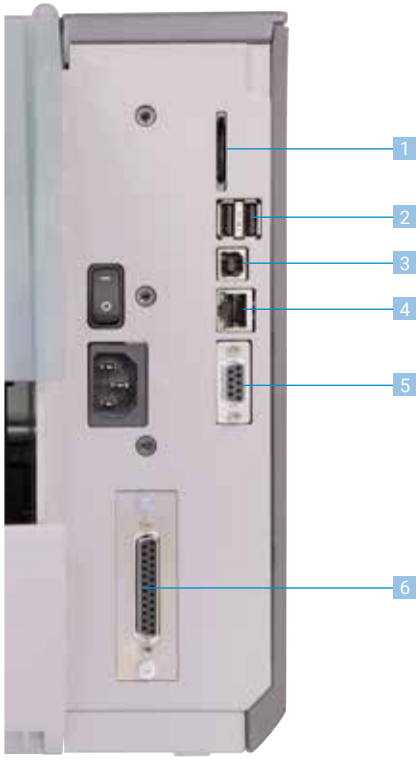
**Print rollers DR4** – synthetic rubber coating;
They are suitable for high accuracy of impression and are provided as standard.

**Print rollers DR4 M25/50/80** – synthetic rubber coating;
In the case of centered material guidance slim print rollers are needed for slim materials and ribbons. In this way, wear of print rollers, contamination of print heads and errors in material feed are avoided.

**Print rollers DRS4** – silicone rubber coating;
They have an extra long service life with a higher tolerance of impression.

# Interfaces

on the back of the device




1 **Plug-in for SD memory card**

2 **2 x USB host interfaces**
for keyboard, barcode scanner, USB memory stick, USB Bluetooth adapter

3 **USB 2.0 Hi-speed device** for PC connection

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

5 **RS232C interface** 1.200 to 230.400 baud/8 bit

6 3.1 **I/O interface** standard with dispensing device, accessory to basic device
A PLC, a sensor or a hand switch start the labeling. At the same time, status and error messages are issued.

Compliant with IEC/EN 61131-2, type 1+3;
all in- and outputs with galvanic isolation and reverse polarity protection, outputs in addition short circuit protected

| **Inputs PNP** | **Outputs PNP, NPN on request** |
|---|---|
| Start printing and applying | Printer/applicator ready |
| Print first label | Print job available |
| Reprint | Applicator in basic position |
| Delete print job | Paper feed ON |
| Label dispensed | Label in dispensing position |
| Interrupt labeling | Applicator in applying position |
| Pause | Pre-warning end of ribbon |
| Reset | Common error |

# Technical data

● Typical ○ Possible ■ Standard ☐ Option

| Device type | Material guide | | | Left-aligned | | | | Centered | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Type of print head** | | | | 4.3 | 4.3 | 4 | 4 | 4.3 | 4.3 | 4 | 4 |
| Printing method | Thermal transfer | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Direct thermal | | | ● | ● | ○ | ○ | ● | ● | ○ | ○ |
| Printable resolution | | | dpi | 203 | 300 | 300 | 600 | 203 | 300 | 300 | 600 |
| Print speed | | | up to mm/s | 250 | 250 | 300 | 150 | 250 | 250 | 300 | 150 |
| Print width | | | mm | 104 | 108.4 | 105.7 | 105.7 | 104 | 108.4 | 105.7 | 105.7 |
| Printable area | Distance to locating edge | when left-aligned | mm | 2.8 | 1.2 | 2.0 | 2.0 | – | – | – | – |
| | | when centered | mm | – | | | | Centered on material | | | |
| **Material**[1] | | | | | | | | | | | |
| On roll or fanfold: | paper, cardboard, ready-for-use tubes, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec | | | ● | | | | ● | | | |
| On roll, reel or fanfold: | pressed continuous tubes, textile, Smart Labels | | | – | | | | ● | | | |
| Labels | Width[1] | | mm | 20 - 116 | | | | 4 - 110 | | | |
| | Height[1] | | mm | 6 - 2,000 | | | | 4 - 2,000 | | | |
| | Thickness | | mm | 0.03 - 0.60 | | | | 0.03 - 0.60 | | | |
| Liner material | Width | | mm | 24 - 120 | | | | 9 - 114 | | | |
| | Thickness | | mm | 0.03 - 0.13 | | | | 0.03 - 0.13 | | | |
| Continuous material | Width | | mm | 24 - 120 | | | | 4 - 114 | | | |
| | Thickness | | mm | 0.05 - 0.50 | | | | 0.05 - 0.50 | | | |
| | Weight (cardboard) | | up to g/m² | 300 | | | | 300 | | | |
| Pressed tube | Width ready-for-use | | up to mm | 120 | | | | 114 | | | |
| | Width continuous | | mm | – | | | | 4 - 85 | | | |
| | Thickness | | up to mm | 1.1 | | | | 1.1 | | | |
| Roll | Outer diameter | | up to mm | 205 | | | | 205 | | | |
| | Core diameter | | mm | 38.1 - 100 | | | | 38.1 - 100 | | | |
| Reel | Outer diameter | | up to mm | – | | | | 205 | | | |
| | Core diameter | | mm | – | | | | 38.1 - 76 | | | |
| | Outer width | | mm | – | | | | 11 - 114 | | | |
| Winding | | | | Outside or inside | | | | Outside or inside | | | |
| **Ribbon**[2] | | | | | | | | | | | |
| Ink side | | | | Outside or inside | | | | | | | |
| Roll diameter | | | up to mm | 80 | | | | | | | |
| Core diameter | | | mm | 25.4 | | | | | | | |
| Variable length | | | up to m | 450 | | | | | | | |
| Width[2] | | | up to mm | 25 - 114 | | | | | | | |
| **Internal rewinder with dispensing device** | | | | | | | | | | | |
| Outer diameter | | | up to mm | 142 | | | | | | | |
| Core diameter | | | mm | 38.1 - 40 | | | | | | | |
| Winding | | | | Outside | | | | | | | |
| **Printer sizes and weight** | | | | | | | | | | | |
| Width x Height x Depth | | | mm | 252 x 288 x 460 | | | | | | | |
| Weight | | | kg | 10 | | | | | | | |
| **Label sensor with position indication** | | | | | | | | | | | |
| Gap sensor | | | | For label front edge or punch marks and end of material | | | | | | | |
| Reflective sensor from below or top | | | | For print mark front edge and end of material | | | | | | | |
| Distance sensor | to locating edge | Left-aligned | mm | 5 - 60 | | | | – | | | |
| | from center to locating edge | Centered | mm | – | | | | 0 - 55 | | | |
| Height of material passage | | | mm | 2 | | | | 2 | | | |
| **RFID** | | | | | | | | | | | |
| Write/read device | HF ISO/IEC 15693, 13,56 MHz | | | – | | | | ☐ | | | |
| | UHF ISO/IEC 18000-6C/EPC Class 1 Gen 2 | | | – | | | | ☐ | | | |
| **Electronics** | | | | | | | | | | | |
| Processor 32 bit clock rate | | | MHz | 800 | | | | | | | |
| Main storage (RAM) | | | MB | 256 | | | | | | | |
| Data storage (IFFS) | | | MB | 50 | | | | | | | |
| Plug-in for SD memory card (SDHC, SDXC) | | | up to GB | 512 | | | | | | | |
| Battery for time and date, real-time clock | | | | ■ | | | | | | | |
| Data storage when power turned off (e. g. serial numbers) | | | | ■ | | | | | | | |
| USB WLAN stick 802.11b/g/n 2.4 GHz | | | | ■ (included as extra item in scope of delivery) | | | | | | | |
| **Interfaces** | | | | | | | | | | | |
| RS232C 1.200 to 230.400 baud/8 bit | | | | ■ | | | | | | | |
| USB 2.0 Hi-speed Device for PC connection | | | | ■ | | | | | | | |
| Ethernet 10/100 BASE-T | | | | LPD, IPv4, IPv 6, RawIP printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, NTP, Zeroconf, SOAP web service | | | | | | | |
| 1 x USB host at the operation panel for<br>1 x USB host at the operation panel for | | | | Service key or USB memory stick<br>USB WLAN stick 802.11b/g/n 2.4 GHz | | | | | | | |
| 2 x USB host on the back of the device for | | | | Keyboard, barcode scanner, USB memory stick, USB Bluetooth adapter, USB WLAN stick 802.11b/g/n 2.4 GHz + a/n/ac 5 GHz with rod antenna | | | | | | | |
| WLAN 802.11b, g, n, access point or station mode | | | GHz | 2,4 ■ / 5 ☐ | | | | | | | |
| Peripheral connection USB host, 24 DC | | | | ■ | | | | | | | |
| Digital I/O with 8 in- and outputs | | Dispensing/basic device | | ■/☐ | | | | | | | |

[1] Limitations may apply to small labels, thin materials or strong adhesives. These applications need to be tested and approved.

[2] Ribbon at least according to width of label material in order to avoid folding.

■ Standard ☐ Option

| Operating data | | |
|---|---|---|
| Power supply | | 100 - 240 VAC ~ 50/60 Hz, PFC |
| Power consumption | | Standby < 10 W / typical 150 W / maximum 300 W |
| Temperature / humidity | Operation | 0 - 40°C / 10 - 85% not condensing |
| | Storage | 0 - 60°C / 20 - 85% not condensing |
| | Transport | –25 - 60°C / 20 - 85% not condensing |
| Approvals | | CE, FCC class A, CB, CCC, cUL |

| Operation panel | |
|---|---|
| | Touchscreen LCD color display |
| Screen diagonal | 4.3" |
| Pixel W x H | 272 x 480 |

| Settings | | |
|---|---|---|
| | Region:<br>languages<br>country<br>keyboard<br>time zone<br>Print<br>Dispense<br>Cut<br>Apply | Time/date<br>Labels<br>Ribbon<br>Error handling<br>Interpreter/emulation<br>Interfaces |

| On display | | |
|---|---|---|
| | Digital clock<br>Data reception<br>WLAN field intensity<br>Ethernet status<br>Bluetooth status<br>Data recording | USB slave status<br>Ribbon remaining<br>USB memory stick plugged in<br>SD memory card plugged in |

| Control | | |
|---|---|---|
| | Ribbon direction of winding<br>Ribbon pre-warning<br>End of ribbon<br>End of material<br>Peripheral error | Print head tension<br>Print head temperature<br>Print head open<br>Pinch roller open<br>(with dispensing version and separator) |

| Testing | |
|---|---|
| System diagnosis | When device is switched on, including automatic print head detection |
| Information display, status printout, analysis | List of fonts, list of devices, WLAN status, label profile, test grid, monitor mode, print data recorded on memory card |
| Status reports | Printout of device settings, e. g. print length and runtime counter, machine status via software command, display of e. g. network errors - no link, barcode error, peripheral error etc. |

| Fonts | |
|---|---|
| Font types | 5 bitmap fonts including OCR-A, OCR-B and 3 vector fonts Swiss 721, Swiss 721 bold and monospace 821 internally provided, TrueType fonts loadable |
| Character sets | Windows 1250 to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R<br>All Western and Eastern European characters, Latin, Cyrillic, Greek, Hebrew, Arabic, simplified Chinese and Thai characters are supported. |
| Bitmap fonts | Size in width and height 1 - 3 mm<br>Zoom factor 2 - 10<br>Orientation 0°, 90°, 180°, 270° |
| Vector/ TrueType fonts | Size in width and height 0,9 - 128 mm<br>Zoom factor freely adjustable<br>Orientation 360° in steps of 1° |
| Font styles | Bold, italic, underlined, outline, inverse - depending on the font type |
| Character pitch | Variable or monospace for steady character pitches |

| Graphics | |
|---|---|
| Graphic elements | Lines, arrows, rectangles, circles, ellipses, filled and filled with fading |
| Graphic formats | PCX, IMG, BMP, TIF, MAC, GIF, PNG |

| Barcodes | | |
|---|---|---|
| Linear barcodes | 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 lead code of Deutsche Post AG<br>Codabar<br>JAN 8, 13<br>MSI<br>Plessey<br>Postnet<br>RSS 14<br>UPC A, E, E0 |
| 2D and stacked codes | Aztec<br>Codablock F<br>DataMatrix<br>PDF417<br>Micro PDF417<br>UPS MaxiCode<br>QR code<br>RSS 14 truncated, limited, stacked and stacked omnidirectional<br>EAN/GS1 DataMatrix<br>GS1 DataBar | |
| | All codes are flexible in height, modular width and ratio. Orientation 0°, 90°, 180°, 270°<br>Options: check numbers, plain writing printout and start/stop code depending on type of code | |

| Software | | |
|---|---|---|
| Programming | Direct programming with<br>printer language JScript<br>abc Basic Compiler<br>Database Connector | <br>■<br>■<br>■ |
| Emulation | ZPL | ☐ |
| Control/ administration | Printer control<br>Administration Network Manager | ■<br>■ |
| 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>EASYLABEL<br>BarTender | |
| WHQL certified Windows printer drivers for | Windows Vista<br>Windows 7<br>Windows 8<br>Windows 8.1<br>Windows 10<br>Server 2003<br>Server 2008<br>Server 2008 R2<br>Server 2012<br>Server 2012 R2 | ■ |
| Apple Mac drivers | OS X printer drivers valid from version 10.6 | ■ |
| Linux drivers | Valid from CUPS 1.2 | ■ |
| Stand-alone operation | | ■ |

# Accessories

# Overview

● Typical ○ Possible ☐ Accessory

| Pos. | Printer add-ons | Basic device | Dispensing device | Left-aligned | Centered | |
|---|---|---|---|---|---|---|
| 1.5 | RFID HF 13,56 MHz | ● | ● | – | ☐ | |
| 1.6 | RFID UHF 868/915 MHz | ● | ● | – | ☐ | |
| 1.7 | Separator S400 | ● | – | – | ☐ | |
| | **Extra equipment** | | | | | |
| 2.2 | Print rollers DR4-M25, DR4-M50, DR4-M80 | ● | ● | – | ☐ | |
| | Print roller DRS4 | ● | ● | ☐ | ☐ | |
| 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 802.11b/g/n 2.4 GHz + a/n/ac 5 GHz | ● | ● | ☐ | ☐ | |
| 2.10 | USB Bluetooth adapter | ● | ● | ☐ | ☐ | |
| 2.11 | Barcode tester for linear and 2D barcodes | ● | ● | ☐ | ☐ | |
| | **Dispensing labels** | | | | | |
| 2.12 | Present sensor PS800 | – | ● | ☐ | – | |
| 2.13 | Present sensor PS900 | – | ● | ☐ | ☐ | |
| 2.14 | Present sensor PS1000 | – | ● | – | ☐ | |
| 2.15 | Extended peel-off plate DP410 | – | ● | ☐ | ☐ | |
| 2.16 | Product sensor | – | ● | ☐ | ☐ | |
| | **Interfaces** | | | | | |
| 3.1 | I/O interface | ● | ● | ☐ | ☐ | |
| 3.2 | I/O interface connector, SUB-D 25 pin | ● | ● | ☐ | ☐ | |
| 3.3 | Label selection - I/O box | ● | ● | ☐ | ☐ | |
| | **Connecting cable** | | | | | |
| 4.1 | Connecting cable RS232 C, 9/9 pin, length 3 m | ● | ● | ☐ | ☐ | |
| | **Cutting, perforating, stacking** | | | | | |
| 5.1 | Cutter CU400 with cutter tray | ● | ○ | ☐ | ☐ | |
| 5.2 | Perforation cutter PCU400 | ● | ○ | ☐ | ☐ | |
| 5.3 | Stacker with cutter and base frame ST400 | ● | ○ | – | ☐ | |
| | **Rewinding, unwinding labels** | | | | | |
| 6.1 | Rewind guide plate RG400 | – | ● | ☐ | ☐ | |
| 6.2 | External rewinder ER4200 | ● | ○ | ☐ | ○ | |
| 6.3 | External rewinder ER4300 | ● | ○ | ☐ | ○ | |
| 6.4 | External rewinder EU4390 | ● | ● | ☐ | ○ | |
| | **Applicators and modules for dispensing** | | | | | |
| 7.1-7.5 | Applicator S1000 | – | ● | ☐ | ☐ | |
| 7.6 | All-around labeler | – | ● | ☐ | ☐ | |
| 7.7-7.9 | Applicator S3200 | – | ● | ☐ | ☐ | |
| 7.10 | Dispensing module S5104 | – | ● | ☐ | – | |
| | **Mounting equipment** | | | | | |
| 8.1 | Mounting plate | – | ● | ☐ | – | |
| 8.2 | Profile 40/80/120 mm | – | ● | ☐ | – | |
| 8.3 | Base plate 500 x 255 mm | – | ● | ☐ | – | |
| 8.4 | Floor stand 1600 | – | ● | ☐ | – | |
| 8.5 | Printer holder | – | ● | ☐ | – | |
| | **Further A⁺ series accessories** | | | | | **Part no.** |
| | External rewinder ER1/210[1)] | ● | ○ | ☐ | – | **5948102.597** |
| | External rewinder ER4/210 | ● | ○ | ☐ | – | **5948100** |
| | External rewinder ER4/300 | ● | ○ | ☐ | – | **5946090** |
| | External unwinder EU4/300 | ● | ● | ☐ | – | **5946091** |
| | Adapter kit for rewinders and unwinders[1)] | ● | ● | ☐ | – | **5978943** |
| | Peel-off adapter PS5 | – | ● | ☐ | – | **5946120** |
| | Present sensor PS6 | – | ● | ☐ | – | **5942353** |
| | Pause adapter PS7 | ● | – | ☐ | ☐ | **5946146** |
| | Applicator A1000-220[1)] | – | ● | ☐ | – | **5949001.597** |
| | Applicator A1000-300[1)] | – | ● | ☐ | – | **5949002.597** |
| | Applicator A1000-400[1)] | – | ● | ☐ | – | **5949003.597** |
| | Applicator A3200[1)] | – | ● | ☐ | – | **5976050.597** |
| | Interface connector, SUB-D 15 pin | – | ● | ☐ | – | **5917652** |
| | Hand switch TR1[2)] | – | ● | ☐ | – | **5942345** |
| | Foot switch[2)] | – | ● | ☐ | – | **5535901** |
| | Product sensor[2)] | – | ● | ☐ | ☐ | **5941526** |
| | Adapter screw M6/M4[1)] SQUIX M6 to A4⁺/M4 | ● | ● | ☐ | ☐ | **5977586.001** |

[1)] Adjusted to SQUIX.
Adapter screw M6 on M4
to attach
the external rewinder ER1/210,
the applicators A1000 and A3200

[2)] To be connected to PS5, PS6, PS7, A1000, A3200

# Accessories

| Extra equipment | |
|---|---|
| 2.2  | **Print roller DR4-M25**<br>Material width up to 25 mm;<br>synthetic rubber coating<br>for high accuracy of impression |
|  | **Print roller DR4-M50**<br>Material width up to 50 mm;<br>synthetic rubber coating<br>for high accuracy of impression |
|  | **Print roller DR4-M80**<br>Material width up to 80 mm;<br>synthetic rubber coating<br>for high accuracy of impression |
|  | **Print roller DRS4**<br>Material width up to 120 mm |
| 2.3  | **Antistatic brush**<br>Particularly in case of plastic materials<br>electrostatics is discharged after printing. |

| Extra equipment | |
|---|---|
| 2.6  | **Adapter 100**<br>For label rolls having a core diameter<br>of 100 mm and an outer diameter<br>larger 180 mm |
| 2.7  | **SD memory card 8 GB** |
| 2.8  | **USB memory stick 8 GB** |
| 2.9  | **USB WLAN stick**<br>802.11b/g/n 2.4 GHz + 802.11a/n/ac 5 GHz<br>in station mode with rod antenna<br>for extended reach |
| 2.10  | **USB Bluetooth adapter** |

| | |
|---|---|
| 2.11  | **Barcode tester for linear and 2D barcodes**<br>The accuracy of a horizontally and vertically printed barcode is tested by a camera directly after printing.<br>In case of a faulty code the print job is stopped and the label can be removed. The barcode tester<br>can be used in tear-off or dispensing mode or with an external rewinder.<br>For further information see the operator's manual. |
| **Dispensing labels** | |
| 2.12  | **Present sensor PS800**<br>For dispensing devices with left-aligned material guide. The present sensor detects the label<br>being in dispensing position. After the label has been removed the next label is automatically printed. |
| 2.13  | **Present sensor PS900**<br>For dispensing devices with left-aligned or centered material guide for example with circular labels<br>whose trailing edges cannot be detected by the present sensors PS800 or PS1000 MP. After the label<br>has been removed the next label is automatically printed. |
| 2.14  | **Present sensor PS1000**<br>For dispensing devices with centered material guide. The present sensor detects the label<br>being in dispensing position. After the label has been removed the next label is automatically printed. |
| 2.15  | **Extended peel-off plate DP410**<br>For labels with a strong adhesive or very thick liner material that make its removal difficult. Only in connection<br>with printing on demand button on the operation panel or control signal. A present sensor cannot be used. |
| 2.16  | **Product sensor**<br>For automatic product detection on the conveyor belt; range 200 mm for the reflective sensor |
| **Interfaces** | |
| 3.2  | **I/O interface connector, SUB-D 25 pin**<br>With screw clamps to connect all control signals to the I/O interface |
| 3.3  | **Label selection - I/O box**<br>From a master controller like PLC up to 32 different labels can be selected from the memory card.<br>The I/O box allows to realize simple PLC control processes with four in- and outputs via abc programming. |
| **Connecting cable** | |
| 4.1  | **Connecting cable RS232 C**, 9/9 pin, length 3 m |

# Accessories

5.1


5.2


5.3


# Cutting, perforating, stacking

**Cutter CU400**
To cut paper labels, self-adhesive labels, cardboard, textile or plastic materials as well as pressed tubes.

**Cutter tray**
Up to approximately 50 labels can be collected in the cutter tray.

| Cutter | | | CU400 |
|---|---|---|---|
| Material | Width | up to mm | 120 |
| | Weight cardboard | gr/m² | 60 - 300 |
| | Thickness | mm | 0.05 - 1.1 |
| Cutting length | | mm | > 5 |
| Gap height | | up to mm | 2.5 |
| Cuts | | /min | 120 |
| Stop print job if | | | Final cutter position not reached |
| **Cutter tray** | | | |
| Label height | | up to mm | 100 |

**Perforation cutter PCU400**
Continuous materials like textile or pressed tubes are perforated in order to subsequently separate them manually.
In addition, the materials can also be cut.

| Perforation cutter | | | PCU400 |
|---|---|---|---|
| Material | Width | up to mm | 85 |
| | Weight cardboard | gr/m² | 60 - 300 |
| | Thickness | mm | 0.05 - 1.1 |
| Cutting length | | mm | > 5 |
| Gap height | | up to mm | 2.5 |
| Cuts | | /min | Cutting 120/perforating 150 |
| Stop print job if | | | Final cutter position not reached |
| Perforating | Web width | mm | 0.5 |
| | Web distance | mm | 2.5 or 10 |

**Stacker with cutter ST400**
Printed materials are cut and stacked. When the maximum stack height is reached, the print job is interrupted. With stiff or curved materials limitations may be possible. We recommend to have such applications tested at our plant. To place the devices on the table in any position.

| Stacker with cutter | | | ST400 |
|---|---|---|---|
| Material | Width | mm | 20 - 100 |
| | Weight cardboard | gr/m² | 60 - 300 |
| | Thickness | mm | 0.05 - 0.8 |
| Cutting length | | mm | 20 - 150 |
| Gap height | | up to mm | 1.2 |
| Cuts | | /min | 120 |
| Stop print job if | | | Final cutter position not reached, paper jam, cover stacker open, stack height reached |
| Stack height | | up to mm | 100 |

**Storage table label W x H**
Storage table and protective cover are adapted to the label size. They have to be ordered separately.

# Accessories

# Rewinding labels

with or without a cardboard core

6.1

**Rewind guide plate RG400** for internal rewinder
Internal rewinding is for dispensing printers.
Thus, the peel-off plate is replaced by the rewind guide plate.

| Rewind guide plate | | | RG400 |
|---|---|---|---|
|  | Material width | up to mm | 120 |
| | Roll diameter | up to mm | 140 |
| | Tightening axle for core diameter | mm | 38.1 - 40 |
| | Winding | | Outside |

6.2


**External rewinder ER4200**
The rewinder is screwed with the label printer. Labels are wound either inside or outside. The electronic swing arm control ensures consistent and tight winding.

| External rewinder | | ER4200 |
|---|---|---|
| Material width | up to mm | 120 |
| Roll diameter | up to mm | 205 |
| Tightening axle for core diameter | mm | 38.1 - 40 |
| Winding | | Outside or inside |

6.3


**External rewinder ER4300**
The rewinder is screwed with the label printer. Labels are wound either inside or outside. The electronic swing arm control ensures consistent and tight winding.

| External rewinder | | ER4300 |
|---|---|---|
| Material width | up to mm | 120 |
| Roll diameter | up to mm | 300 |
| Tightening axle for core diameter | mm | 76 |
| Winding | | Outside or inside |

6.4

# Unwinding labels

**External unwinder EU4390**
Ensures consistent label feed with heavy rolls.
Both outside or inside wound rolls can be processed.

| External unwinder | | | EU4390 |
|---|---|---|---|
| Material width | | up to mm | 120 |
| Roll diameter | | up to mm | 390 |
| Core diameter | | mm | 38.1 |
| | with adapter | mm | 76 |
| Winding | | | Outside or inside |

# Applicator S1000

7.1


**Real-time labeling**
The applicator S1000 combined with a SQUIX is a cost-effective solution for all dispensing printers in semi-automatic operation or when vertically integrated in a production line. The label is placed on the product with a stroke cylinder.

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

2 **Flexible product heights**
With the stroke cylinder labeling is possible at different heights. Different stroke lengths are available.

3 **Compressed air regulation unit**
Micro filters prevent from contamination. The compressed air regulator ensures a permanent high quality of labeling.

4 **High process reliability**
Supporting air jet stream, induction air and stroke speed are adjustable. For sensitive products and packaging the pressing force can be reduced to less than 10 N (1 kg). To avoid contamination, the vacuum holes are cleaned with air pressure after each labeling process.

5 **Label sizes**
Labels widths from 25 to 176 mm and heights from 25 to 200 mm can be processed.

6 **Supporting air**
Used for blowing the labels onto the pad

**Pre-dispensing button**
To test the labeling process. Pushing the button causes the label to be printed and held by the pad. Pushing the button again starts the labeling process.

| Applicator | | S1000-220 | S1000-300 | S1000-400 |
|---|---|---|---|---|
| Cylinder stroke | mm | 220 | 300 | 400 |
| Tamp stroke below device | mm | 64 | 144 | 244 |
| Compressed air | bar | 4.5 | | |

# Accessories

7.2


**Tamps**
The labels are applied to the tamp and held there by vacuum. Tamp and label are then moved to the product by the applicator.
**Universal tamp pads**
The rasterized vacuum holes are covered by a foul and pierced according to the label size.
**Tamp pad**
Manufactured according to the label size

| Type | | Universal tamp pads | | Tamp pad | |
|---|---|---|---|---|---|
| | | A1021 | A1021 | A1021 | M1021 |
| Material guide | | Left aligned Centered | Left aligned Centered | Left aligned | Centered |
| Tamp surface W x H | mm | 70 x 60 | 90 x 90 | min. 72 x 60 | |
| Label width | mm | 25 - 70 | 25 - 90 | 25 - 116 | |
| Label height | mm | 25 - 60 | 25 - 90 | 25 - 200 | |
| Product surface | | Flat | | | |
| Product height | | Variable | | | |
| Product during labeling | | Not moving | | | |

# Accessories

# Applicator S1000

7.3


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

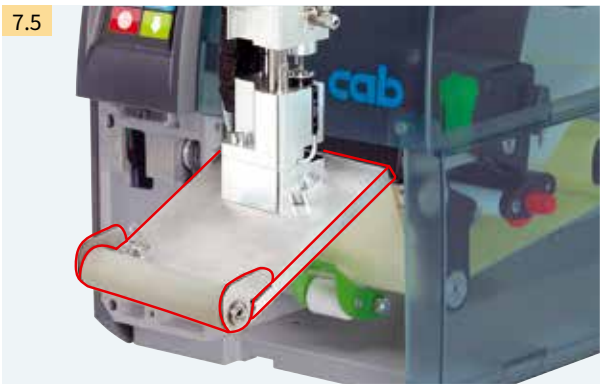
| Type | | Universal tamp pads | | Tamp pad | |
|---|---|---|---|---|---|
| | | A1321 | A1321 | A1321 | M1321 |
| Material guide | | Left aligned Centered | Left aligned Centered | Left aligned | Centered |
| Tamp surface W x H | mm | 116 x 102 | 116 x 152 | min. 86 x 92 | |
| Label width | mm | 25 - 116 | 25 - 116 | 25 - 116 | |
| Label height | mm | 25 - 102 | 25 - 152 | 25 - 200 | |
| Product surface | | Flat | | | |
| Product height | | Variable | | | |
| Product during labeling | | Not moving | | | |

7.4


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

| Blow pad | | A2021 | M2021 |
|---|---|---|---|
| Material guide | | Left aligned | Centered |
| Tamp surface W x H | mm | 72 x 60 | |
| Label width | mm | 25 - 116 | |
| Label height | mm | 25 - 100 | |
| Product surface | | Flat | |
| Product height | | Fixed | |
| Product during labeling | | Not moving or in motion | |

7.5




**Roll-on pad**
With the roll-on pad the label is moved right below the roll while printing. The pad moves to the product. The label is taken over by the product and rolled on during transport.

| Roll-on pad | | A1411 |
|---|---|---|
| Material guide | | Left aligned / Centered |
| Tamp surface W x H | mm | 120 x 80 |
| Label width | mm | 25 - 116 |
| Label height | mm | 80 - 200 |
| Product surface | | Flat |
| Product height | | Variable |
| Product during labeling | | In motion |

7.6


**All-around labeler**
With the applicator labels can be applied to cylindric objects around the entire 360° circumference. The product is put on the rolls and labeling is started via hand or foot switch.

| Tamp pad | | A1021 | M1021 |
|---|---|---|---|
| Material guide | | Left aligned | Centered |
| Tamp surface W x H | mm | min. 72 x 60 | |
| Label width | mm | 25 - 116 | |
| Label height | mm | 25 - 140 | |
| Product diameter | mm | 12 - 40 | |
| Product surface | | Cylindrical | |
| Product during labeling | | In rotary motion | |

# Applicator S3200

7.7


7.8 7.9

**Real-time labeling**
The applicator S3200 combined with a SQUIX is a cost-effective solution for all dispensing printers in semi-automatic operation or when vertically integrated in a production line. With the S3200 printed labels are automatically applied on a product. By means of a rotary cylinder the label is positioned 45° to 95° to the horizontal and placed on the product with a short stroke cylinder.

Information on service life, pre-dispensing, compressed air regulation unit, process reliability and supporting air correspond with the applicator S1000 (see page 14).

| Applicator | | S3200 |
|---|---|---|
| Rotary cylinder | | 45° - 95° |
| Stroke cylinder | up to mm | 30 |
| Compressed air | bar | 4.5 |

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

| | | Tamp pad | | Blow pad | |
|---|---|---|---|---|---|
| | | A3200-1100 | M3200-1100 | A3200-2100 | M3200-2100 |
| Material guide | | Left aligned | Centered | Left aligned | Centered |
| Tamp surface W x H min. | mm | 72 x 60 | | 72 x 60 | |
| Label width | mm | 20 - 116 | | 20 - 116 | |
| Label height | mm | 5 - 80 | | 10 - 80 | |
| Product surface | | Flat | | | |
| Product during labeling | | Not moving | | Not moving or in motion | |

# Dispensing module S5104

7.10


**Dispensing module S5104**
For labeling on packaging on a conveyor belt. The product sensor identifies the labeling position. Dispensing is started and at the same time the next label is printed. Conveyor belt speed and print speed have to be synchronized. A reflective sensor monitors the positioning.

| Dispensing module | | S5104 |
|---|---|---|
| Material guide | | Left aligned |
| Label width | mm | 25 - 116 |
| Label height | mm | 25 - 200 |
| Product surface | | Flat |
| Product height | | Fixed |
| Product during labeling | | In motion, speed synchronized with the printer |

# Mounting equipment SQUIX 4

8.1

8.2

8.3

**Mounting foot**
To fasten the apply system and the product holder

1 **Mounting plate**
The apply system is fastened on the mounting plate.

2 **Profile**
Standard lengths 40, 80, 120 mm. The aluminum square profile can be manufactured in further lengths on request.

3 **Base plate**
To fasten the product holder
Standard size 500 x 255 mm

8.4

8.5

**Floor stand**
It enables the printer to be quickly and flexibly integrated in any production line. Height and width of the labeling position are easy to adjust in accordance with the product. Four guide rollers provide for mobility. The floor stand is adjusted with adjustable feet at the place of operation.

| Floor stand | | 1600 |
|---|---|---|
| Total height | mm | 1,600 |
| Labeling height | up to mm | 1,400 |
| Projection to center of label | mm | 230 - 500 |
| Chassis W x D x H | mm | 600 x 860 x 140 |

8.5

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

# Software

## Label software cablabel S3

It includes three functions:

• **design** • **print** • **monitoring**

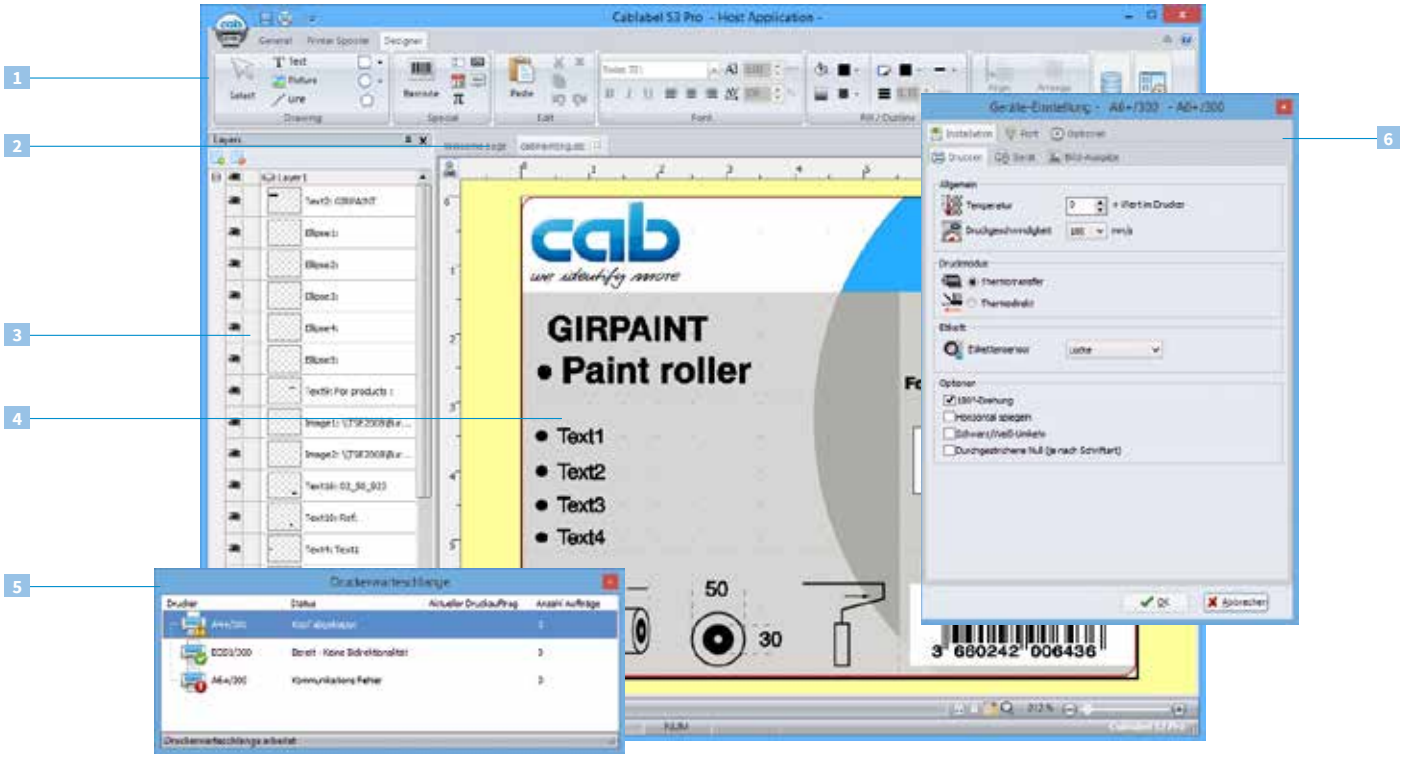
As regards design, cablabel S3 opens up the full potential of the cab devices. The intuitive user interface provides an extensive instruction set, for example different date formats, mathematical or logic functions.

At this, cablabel S3 connects all cab marking systems. First of all you design your label. Only when it comes to printing you have to decide whether the label shall be dispensed on a label printer, a print and apply system or a marking laser system.

Do you want your marking system to print labels in stand-alone mode? cablabel S3 supports again. After the label has been designed the program supplies all necessary data to be stored within the printer for stand-alone mode.

cablabel S3 is of modular design and can be adapted to your requirements step by step. To support functions like, for example, native programming with JScript, elements like the JScript viewer are embedded as plug-in. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be comfortably integrated.

For further information see www.cab.de/en/cablabel




**1 Toolbar**
Here you can create different objects for your labels.

**2 Tabs**
For fast navigation between several opened label layouts.

**3 Layers**
Help to manage different label objects.

**4 Designer**
Streamlined design by WYSIWYG display of the label.

**5 Printer spooler**
Monitors all print jobs and shows status of printers.

**6 Drivers**
With integrated hardware drivers you can manage settings and communication with devices.

## Stand-alone operation

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

The label layout is designed with a label software like the cablabel S3 or via direct programming with a text editor on a PC. Label formats, fonts, texts and graphics as well as database contents are stored and read on a SD memory card, a USB memory stick or the internal data storage IFFS.

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

# Printer drivers

For printer control with a software other than cablabel S3 cab provides drivers in 32/64 bit for operating systems Windows Vista, Mac OS 10.6 (or newer) and Linux with CUPS 1.2.

### WHQL certified Windows®[1] printer drivers

Our printer drivers are certified and signed by Microsoft. They ensure optimum stability on your Windows operating system.

### Apple Mac OS X®[2] driver

We provide a CUPS-based printer driver for programs using Mac OS X.

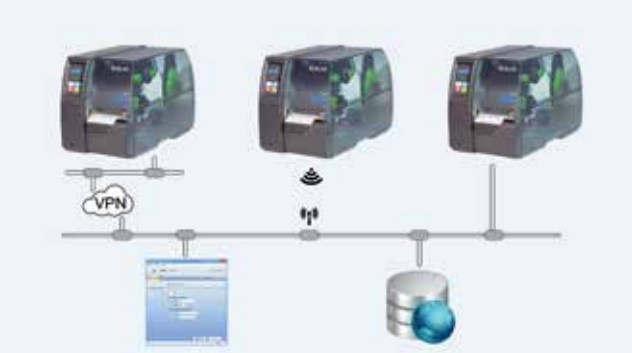
### Linux drivers

Linux drivers are based on CUPS.

Printer drivers are available on the DVD delivered with your printer and for free download at www.cab.de/en/support

### Database Connector

In stand-alone mode with network connection this program allows the printer to directly access data from a central ODBC- or OLEDB-ready database and have this data printed on the label. Simultaneously with the printing process, data can be rewritten to the database.




# Programming

### JScript

To control your printer we have developed the embedded programming language JScript.
The programming manual for free download at www.cab.de/en

### abc Basic Compiler

In addition to JScript and as an integral firmware element the abc Basic Compiler allows advanced programming of the printer before the data are sent to editing for printout.
In this way, for example external printer languages can be replaced without interfering in the current print job. Or you integrate data from other systems like a scale, a barcode scanner or PLC.

# Integration

### Printer Vendor Program

As a silver level partner in SAP's Printer Vendor Program cab has developed the replace method allowing easy control of cab printers with SAPScript from SAP R/3. At this, the host system only sends variable data to the printer. Graphics and fonts that priorly have been stored locally (IFFS, SD memory card, etc.) are merged.

| Step 1 | Step 2 | Step 3 |
|---|---|---|
| Creation of labels and replace file with the cablabel S3 software | Implementation of replace file and replacement of variable data in SAPScript | Printout from SAP |

[1] Windows is a registered trademark of Microsoft Corporation.

[2] MAC OS X is a registered trademark of Apple Computer, Inc.

[3] In preparation

# Administration

### Configuration in intranet and Internet

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


### Network Manager[3]

The Network Manager enables to manage several printers simultaneously within a network. It supports one-stop control, configuration, firmware update, memory card administration, data synchronization and PIN administration.

# Maintenance

**Label sensor**
The label sensor is unlocked and pulled out with finger pressure for cleaning.

**Print head**
The print head can be exchanged in few steps.
In general, adjustments and settings are not required.

**Print roller**
The print roller can be removed with a screw for cleaning or exchange.

**Assembling tool**
For replacing wear parts or peripheral mounting ONE tool is inserted at the printer ready to hand.

# Service

Well-trained cab service engineers give worldwide support in maintenance and repair. Send your printer to a cab service center or a service partner selected by us. Your device will be checked and repaired within few workdays. If requested, a loan device is offered as a replacement during the time of repair.

You want maintenance and repair to be done in your company? Then make an appointment with our service department.

Contact: phone +49 721 6626 300, service.de@cab.de

# Training

You enhance your knowledge of cab products for an effective use and gain valuable knowledge for the service and repair of the devices. At the Karlsruhe site, we offer training sessions on handling and operation, label design, software tools, printer drivers, programming, database connectivity, as well as for the integration in networks or a higher-level ERP systems. We will be happy to send you detailed information about the current training offering. Of course we also offer tailored trainings to your individual requirements - in Karlsruhe or at your site.

# Product range

## Label printers

| Pos. | | Part no. | Devices |
|---|---|---|---|
| 1.1 |  | 5977014 | Label printer SQUIX 4.3/200 |
| | | 5977015 | Label printer SQUIX 4.3/300 |
| | | 5977001 | Label printer SQUIX 4/300 |
| | | 5977002 | Label printer SQUIX 4/600 |
| 1.2 |  | 5977016 | Label printer SQUIX 4.3/200P |
| | | 5977017 | Label printer SQUIX 4.3/300P |
| | | 5977004 | Label printer SQUIX 4/300P |
| | | 5977005 | Label printer SQUIX 4/600P |
| 1.3 |  | 5977018 | Label printer SQUIX 4.3/200M |
| | | 5977019 | Label printer SQUIX 4.3/300M |
| | | 5977010 | Label printer SQUIX 4/300M |
| | | 5977011 | Label printer SQUIX 4/600M |
| 1.4 |  | 5977022 | Label printer SQUIX 4.3/200MP |
| | | 5977023 | Label printer SQUIX 4.3/300MP |
| | | 5977007 | Label printer SQUIX 4/300MP |
| | | 5977008 | Label printer SQUIX 4/600MP |
| | | **Part no.** | **Special devices** |
| 1.5 |  | 5977xxx.102 | **Printer with RFID HF, basic and dispensing version with centered material guide**<br>Label printer SQUIX x/xxxM-RFID/HF<br>Label printer SQUIX x/xxxMP-RFID/HF<br>"x" - choose device from Pos. 1.3/1.4 |
| 1.6 |  | 5977xxx.120 | **Printer with RFID UHF, basic and dispensing version with centered material guide**<br>Label printer SQUIX x/xxxM-RFID/UHF<br>Label printer SQUIX x/xxxMP-RFID/UHF<br>"x" - choose device from Pos. 1.3/1.4 |
| 1.7 |  | 5977xxx.355 | **Printer with separator, basic version with centered material guide**<br>Label printer SQUIX x/xxxMT<br>"x" - choose device from Pos. 1.3 |

**Scope of delivery:** Label printer
power cable type E+F, length 1.8 m
connecting cable USB, length 1.8 m
USB WLAN stick 802.11b/g/n 2.4 GHz
operator's manual de/en

**DVD:** Operator's manual in more than 20 languages
configuration manual de/en/fr
service manual de/en
spare parts list de/en
programming manual en
WHQL certified Windows printer drivers for

| | |
|---|---|
| Windows Vista | Server 2003 |
| Windows 7 | Server 2008 |
| Windows 8 | Server 2008 R2 |
| Windows 8.1 | Server 2012 |
| Windows 10 | Server 2012 R2 |

Apple Mac OS X drivers de/en/fr
Linux drivers de/en/fr
Label software cablabel S3 Lite
cablabel S3 Viewer
Database Connector

## Wear parts

| Pos. | | Part no. | Print heads |
|---|---|---|---|
| 2.1 |  | 5977382.001 | Print head 4.3/200 |
| | | 5977383.001 | Print head 4.3/300 |
| | | 5977444.001 | Print head 4/300 |
| | | 5977380.001 | Print head 4/600 |
| | | **Part no.** | **Print and rewind assist rollers** |
| 2.2 |  | 5953700.001 | Print roller DR4-M25 |
| |  | 5953701.001 | Print roller DR4-M50 |
| |  | 5953702.001 | Print roller DR4-M80 |
| |  | 5954180.001 | Print roller DR4 |
| |  | 5954183.001 | Rewind assist roller RR4 |
| |  | 5954985.001 | Print roller DRS4 |

## Accessories

| Pos. | | Part no. | Extra equipment |
|---|---|---|---|
| 2.3 |  | 5977339.001 | Antistatic brush |
| 2.6 |  | 5959622.001 | Adapter 100 |
| 2.7 |  | 5977370 | SD memory card 8 GB |
| 2.8 |  | 5977730 | USB memory stick 8 GB |
| 2.9 |  | 5977731 | USB WLAN stick<br>802.11b/g/n 2.4 GHz + a/n/ac 5 GHz |
| 2.10 |  | 5977732 | USB Bluetooth adapter |
| 2.11 |  | 5978911 | Barcode tester<br>for linear and 2D barcodes |
| | | **Part no.** | **Dispensing labels** |
| 2.12 |  | 5977585 | Present sensor PS800 |
| 2.13 |  | 5977538 | Present sensor PS900 |
| 2.14 |  | 5977735 | Present sensor PS1000 |
| 2.15 |  | 5978908.001 | Extended peel-off plate DP410 |
| 2.16 |  | 5978909 | Product sensor |

# Accessories

| Pos. | | Part no. | Interfaces |
|---|---|---|---|
| 3.1 |  | 5977369.001 | I/O interface |
| 3.2 |  | 5917651 | I/O interface connector SUB-D 25 pin |
| 3.3 |  | 5948205 | Label selection - I/O box |
| | | **Part no.** | **Connecting cable** |
| 4.1 |  | 5550818 | Connecting cable RS232 C 9/9 pin, length 3 m |
| | | **Part no.** | **Cutting, perforating, stacking** |
| 5.1 |  | 5978900 | Cutter CU400 with cutter tray |
| 5.2 |  | 5978901<br>5978920 | Perforation cutter PCU400/2.5<br>Perforation cutter PCU400/10 |
| 5.3 |  | 5978902 | Stacker with cutter and base frame ST400 |
| |  | 5xxxxx* | Storage table ST400, label W x H |
| | | **Part no.** | **Rewinding, unwinding labels** |
| 6.1 |  | 5978903.001 | Rewind guide plate RG400 |
| 6.2 |  | 5978904 | External rewinder ER4200 |
| 6.3 |  | 5978905 | External rewinder ER4300 |
| 6.4 |  | 5978907 | External unwinder EU4390 |
| | | **Part no.** | **Applicators and dispensing modules** |
| 7.1 |  | 5976086<br>5976087<br>5976088 | Applicator S1000-220<br>Applicator S1000-300<br>Applicator S1000-400 |
| 7.2 |  | 5949072 | Universal tamp pad A1021 70 x 60 |
| | | 5949075 | Universal tamp pad A1021 90 x 90 |
| | | 59xxxxx*<br>5977xxx* | Tamp pad A1021 W x H<br>Tamp pad M1021 W x H |
| 7.3 |  | 5949076 | Universal tamp pad A1321 116 x 102 |
| | | 5949077 | Universal tamp pad A1321 116 x 152 |
| | | 59xxxxx*<br>5977xxx* | Tamp pad A1321 W x H<br>Tamp pad M1321 W x H |

| Pos. | | Part no. | Applicators and dispensing modules |
|---|---|---|---|
| 7.4 |  | 59xxxxx*<br>5977xxx* | Blow pad A2021 W x H<br>Blow pad M2021 W x H |
| 7.5 |  | 59xxxxx*<br>5977xxx* | Roll-on pad A1411 W x H<br>Roll-on pad M1411 W x H |
| 7.6 |  | 5976084 | All-around labeler |
| 7.7 |  | 5976085 | Applicator S3200 |
| 7.8 |  | 59xxxxx*<br>5977xxx* | Tamp pad A3200-1100 W x H<br>Tamp pad M3200-1100 W x H |
| 7.9 |  | 59xxxxx*<br>5977xxx* | Blow pad A3200-2100 W x H<br>Blow pad M3200-2100 W x H |
| 7.10 |  | 5976083 | Dispensing module S5104 |
| | | **Part no.** | **Mounting equipment** |
| 8.1 |  | 5978910 | Mounting plate |
| 8.2 |  | 5958365<br>5965929<br>5971136 | Profile 40<br>Profile 80<br>Profile 120 |
| 8.3 |  | 5961203 | Base plate 500 x 255 |
| 8.4 |  | 5947400 | Floor stand 1600 |
| 8.5 |  | 5978922 | Printer holder |
| | | **Part no.** | **Label software** |
| 11.7 |  | 5588000<br><br>5588001<br>5588100<br>5588101<br>5588150<br>5588151<br>5588152<br><br>5588002<br>5588105<br>5588106<br>5588155<br>5588156<br>5588157<br><br>In preparation | cablabel S3 Lite<br><br>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<br><br>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<br><br>cablabel S3 Print Server |
| 1110 | | 9009950 | Programming manual en, printed copy |

* User specific part no. following request

# Product overview

Label printers MACH1/2
in the lower price segment

Label printers MACH4
where little space is available

Label printers EOS1
desktop device for label rolls
up to diameter 155 mm

Label printers EOS4
desktop device for label rolls
up to diameter 210 mm

Label printers A2+
industrial device
up to print width 57 mm

Label printers SQUIX
industrial device
up to print width 108 mm

Label printers A6+
industrial device
up to print width 168 mm

Label printers A8+
industrial device
up to print width 216 mm

Label printers XD4T
for double-sided printing

Label printers XC
for two-color printing

Print and apply systems Hermes+
for automation

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

Print modules PX
to be integrated
in automatic labeling systems

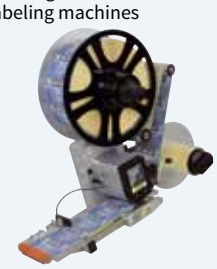
Labels
of more than 400 materials

Ribbons
in wax, resin and resin/wax qualities

Label software cablabel S3
Design, print, monitoring

Label dispensers HS/VS
for horizontal or
vertical dispensing

Labeling heads IXOR
to be integrated
in labeling machines



Marking lasers FL+
with output powers 10 to 50 watt

Laser marking systems
for industrial solutions

Headquarters and fabrication in Germany

to International subsidiaries

There are further 820 distribution partners in more than 80 countries.

**Europe**

**Germany**
cab Produkttechnik
GmbH & Co KG
Wilhelm-Schickard-Str. 14
76131 Karlsruhe
phone +49 721 6626 0
fax +49 721 6626 129
info@cab.de
www.cab.de

**France**
cab Technologies S.à.r.l.
2a Rue de la Moder
Z.A. Nord du Val de Moder
67350 Niedermodern
phone +33 388 722501
fax +33 388 722502
info.fr@cab.de
www.cab.de/fr

**America**

**USA**
cab Technology, Inc.
87 Progress Avenue Unit 1
Tyngsboro, MA 01879
phone +1 978 649 0293
fax +1 978 649 0294
info.us@cab.de
www.cab.de/us

**Latin America**
Alejandro Balmaceda
Hacienda Jurica Pte 1615
Colonial de Valle
32553 Juárez, Mexico
phone +52 656 682 4301
a.balmaceda@cab.de
www.cab.de/es

**Asia**

**Taiwan**
cab Technology Co., Ltd.
希愛比科技股份有限公司
16F-1, No. 700, Jhong Jheng Rd
Junghe, Taipei 23552
phone +886 (02) 8227 3966
fax +886 (02) 8227 3566
info.asia@cab.de
www.cab.de/tw

**China**
cab (Shanghai) Trading Co., Ltd.
铠博(上海)贸易有限公司
A507, No. 268, Tong Xie Rd
Shanghai 200335
phone +86 (021) 6236 3161
fax +86 (021) 6236 3162
info.cn@cab.de
www.cab.de/cn

cab (Shanghai) Trading Co., Ltd.
铠博(上海)贸易有限公司
Room 39, 10F, 8 Lin He Zhong Rd
Tian He District, Guangzhou 510610
phone +86 (020) 2831 7358
info.cn@cab.de
www.cab.de/cn

**Africa**

**South Africa**
cab Technology (Pty) Ltd.
14 Republic Street
Bordeaux
2125 Randburg
phone +27 11 886 3580
fax +27 11 789 3913
info.za@cab.de
www.cab.de/za

Status: 03/2017