



Barcode Label Printer

A⁺ The Premium Class.

cab Produkttechnik

Precision - Made in Germany

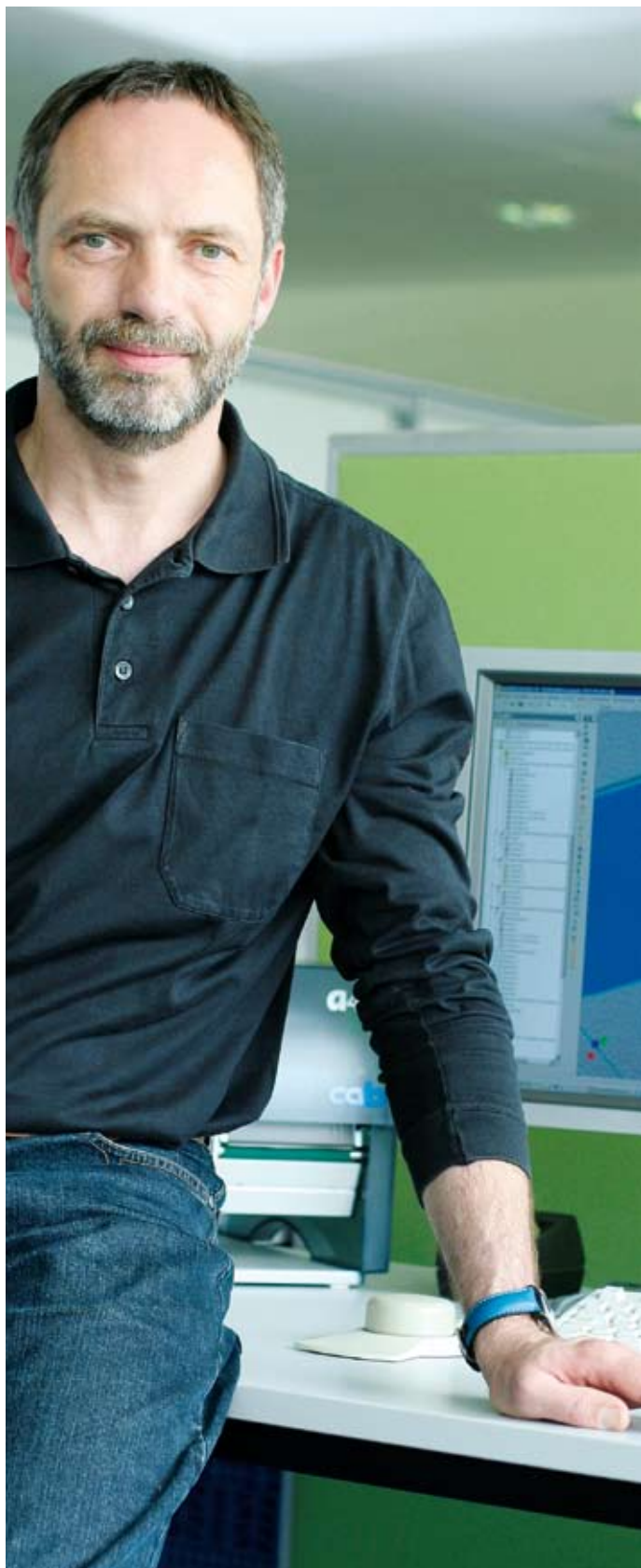


For more than 30 years now cab has been developing and manufacturing label marking systems for industry, distribution and services. The constant requirements of changing markets demand innovative ideas and form tomorrow's products.

Our experience and our aim to make our printers more simple in operation have made cab a leading manufacturer worldwide.

Made in Germany with a large vertical range of manufacture, our quality system is subject to DIN ISO 9001 - from receiving inspection up to consignment.





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4 Application

The professional printer for industrial demands



Our professional printers can be used within a broad application range. Our ambition was to create easy handling and high reliability. The print mechanism

and the chassis are made of first-class material, perfectly harmonized in form and function. Any specific customer requirement can be realized with the exten-

sive amount of periphery and software. Stand-alone operation, PC-application or network operation: A+ is the solution – any time.

Small and large labels precise and fast – examples

PCB identification label



Smallest label size 4 x 5 mm, if there is only little space.

Packaging



Labels up to DIN A4 / 8.5" size wide.

Type plates



Pin sharp fonts with 600 dpi.

One concept – four widths
Printing to measure

The small sized
material width up to 65 mm

Printing method	Thermal transfer	
	Thermal direct	
Print resolution dpi		300
Print width up to mm		54.2
Print speed up to mm/s		150



a2+

The fast allrounder
material width up to 120 mm

Printing method					
Thermal transfer				<input type="checkbox"/>	<input type="checkbox"/>
Thermal direct	-	-	-		
Print resolution dpi	203	300	600	203	300
Print width up to mm	104	105.6	105.6	104	108.4
Print speed up to mm/s	250	250	100	200	150



a4+
203/300/600 dpi

The broad
material width up to 180 mm

Printing method	Thermal transfer	
	Thermal direct	
Print resolution dpi		300
Print width up to mm		162.6
Print speed up to mm/s		200



a6+

The extra broad
material width up to 235 mm

Printing method	Thermal transfer	
	Thermal direct	
Print resolution dpi		300
Print width up to mm		216
Print speed up to mm/s		150



a8+

6 Technical details

Precise printing Elaborate - made easy

1. Big graphic display

White backlight guarantees clearness of display.

2. Ribbon retainer

The threepart tightening axles allow a fast and easy ribbon exchange.

3. Convenient navigator pad

With the interactive menu prompting only the available functions are readable.

4. Easy adjustment

The printhead is pressed down with two sliding toggles. One is mounted to the left label margin, the other one is pushed to the right label margin.

5. Printing with 203, 300 or 600 dpi

The print heads can be exchanged easily from 203 to 300 dpi. The printer automatically detects the resolution.

6. Peel-off option

The label is removed via peel-off-plate. A high printing and applying accuracy can be achieved through the additionally powered rewind assistant roller and the pinch roller.

7. Peripheral connection

Add-on modules like cutter, external re-winder, peel-off adapter and applicators can be connected via USB peripheral interface.

8. Solid, buckling resistant chassis

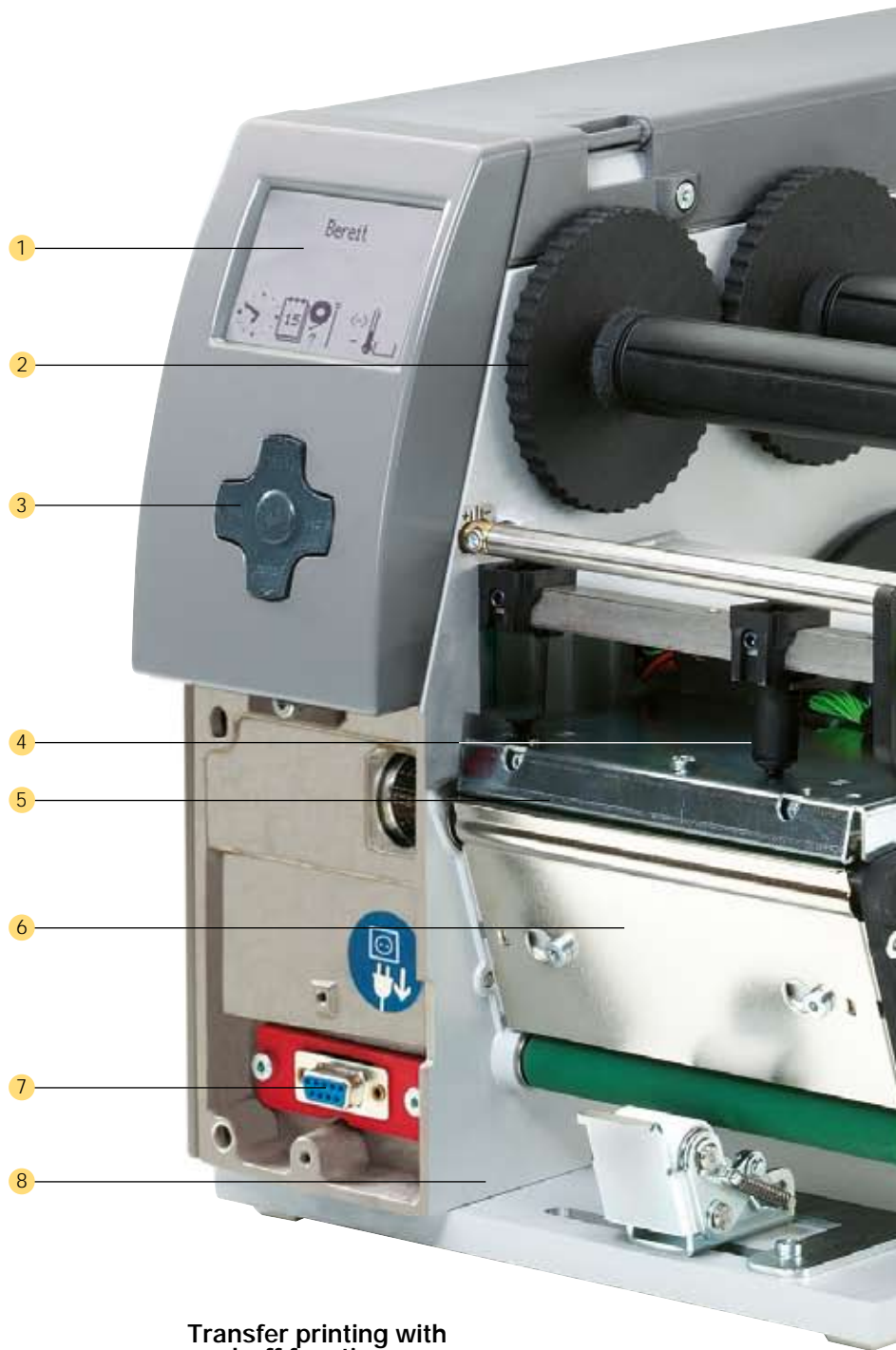
It is made of dye-cast aluminium. All devices are assembled to it.

9. Roll holder

Designed to accommodate rolls 38 - 76 mm. Adaptors for rolls up to 100 mm and rotating roll holders are also available. With the clamp small rolls are also held securely.

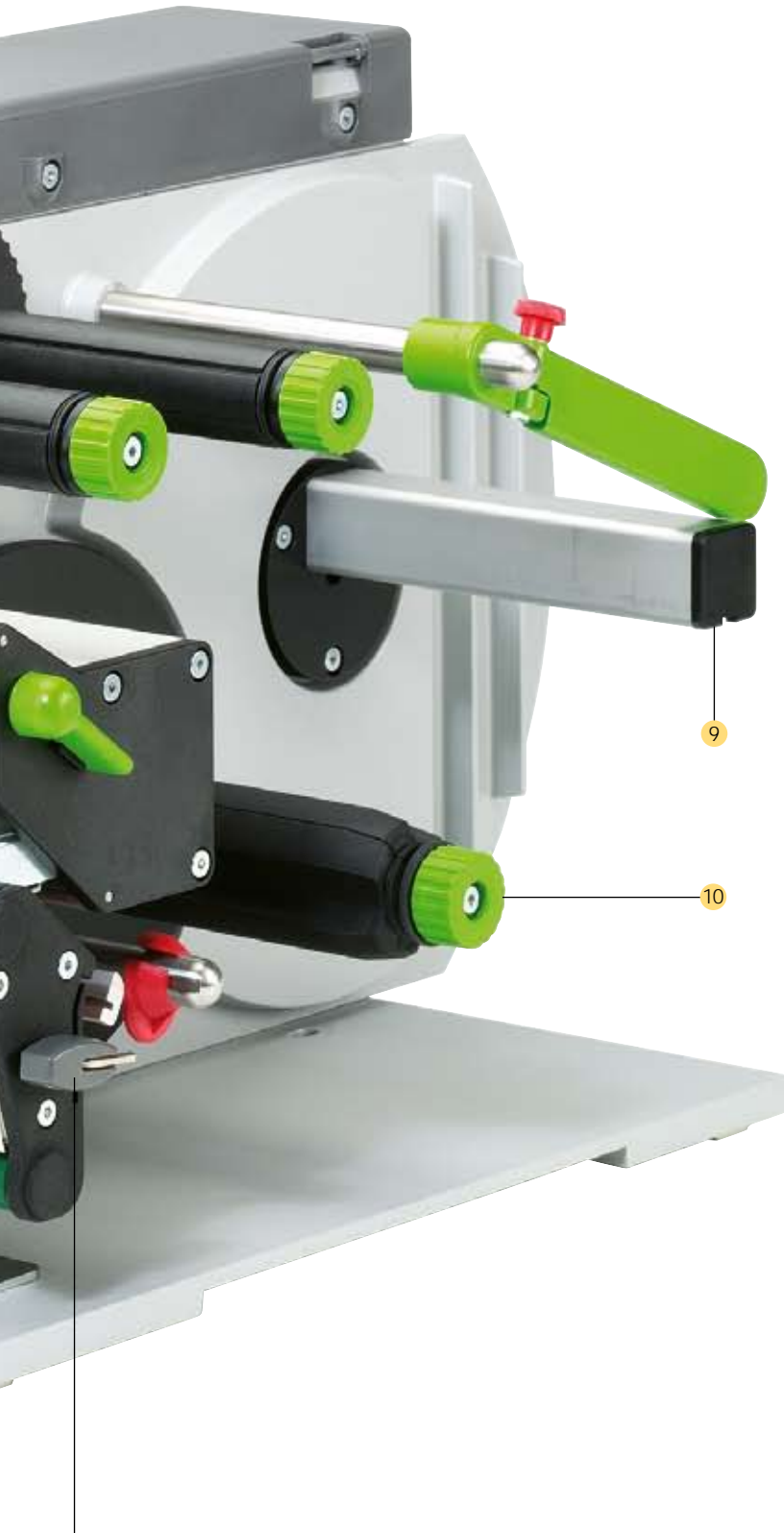
10. Label re-winder

The three part tightening system allows labels or backing paper to be rewound with or without the use of a core. Removal of the roll is easy.



Transfer printing with peel-off function

Easy servicing and removing of consumables



Label sensor



The Label sensor can be unlocked with only one finger and can be removed for cleaning.

Printhead



The printhead can be exchanged in only a few steps. Adjustments and settings are not necessary.

Print roller

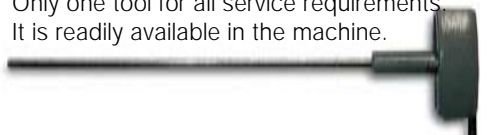


For cleaning or replacement the print roller can be easily removed by loosening only three screws.

11. One tool for all maintenance tasks

Only one tool for all service requirements. It is readily available in the machine.

11



Four steps to the optimal appliance

1. Transfer printing



For printing on standard paper, cardboard, textiles, plastic foil (PE, PP, PVC, PA or PI). Wax, resin or wax/resin ribbons can be used.

Thermal direct printing



For printing on thermal-sensitive materials. All transfer printers can be used as thermal direct printers.

2. Basic version



For printing on labels and continuous material. After printing it can be torn off with the ridged tear-off plate. It can be cut or rewound externally.

Dispense version



For printing and dispensing labels. During the printing the label is removed from the liner. It can be taken off manually or by an applicator. ① The present sensor has to be ordered separately.

3. Compact cover



The 2-part cover of impact resistant plastic folds when opened. Therefore, the printer needs the smallest footprint in its class.

Metal cover



The transfer printers A4+ and A6+ are available with a full metal cover (standard with the A8+) on request.

4. RFID (additional option)



The cab RFID option for the printers of the A+ -series reads and rewrites transponders in smart-labels with 13.56 MHz before the printing process. Please ask for our separate data sheet.

All required interfaces are factory installed



Standard Option

PC/SPS interfaces

- 1. **Serial RS232 C** interface up to 230,400 Baud
- 2. **USB 2.0 High Speed Slave** interface
- 3. **Parallel Centronics** acc. IEEE 1284
The data from the Centronics interface are converted onto the USB Full Speed interface.
- 4. **Serial RS422** for long distance communication
Serial RS485 for networking up to 25 printers.
- 5. **Label selection box**
Up to 16 different input signals for automatic loading and printing of labels from the memory card.



Peripheral connection

- 9. Two **USB-Master** interfaces to connect keyboard, scanner, external operation panel.
- 10. Slot for memory card **CompactFlash Type I Card**

Network connection

6. Ethernet 10/100 Base T- interface with TCP/IP protocol Printing with LPR/LPD, Raw IP or FTP. IP adress can be set manually or obtained via DHCP. Status information and set up via internet browser. FTP for firmware updates and PC-card Type II/Compact-Flash administration. Error messages can be sent via e-mail or SNMP. Time and date synchronization through time server.

7. Slot for **Wireless LAN-Card** or **PC-Card Type II** (PCMCIA)

- 8. **WLAN-card IEEE 802.11 b/g** for wireless network connection, dependent on chip set
IEEE 802.11 b: 11 MBit/s, 2,4 GHz Band
IEEE 802.11 g: 54 MBit/s, 2,4 GHz Band



Stand-Alone operation without PC

Complete labels can be created on a PC with a labeling software program such as cablabel R2, Codesoft or Easy-label. It will be saved on a CompactFlash card in the printer.

Recall this labels from the printer with an USB keyboard. Add variable text, database values, and graphics then print out the requested labels.

Additionally data from scanners or e.g. scales can be transmitted.



10 Technical data

The data for all devices

Standard Option

1. Printhead	A2+	A4+		A4.3+		A6+	A8+
Printing method Thermal transfer					<input type="checkbox"/>	<input type="checkbox"/>	
Thermal direct		-	-	-			
Print resolution dpi	300	203	300	600	203	300	300
Print speed up to mm/s	150	250	250	100	200	150	200
Print width mm	54.2	104	105.6	105.6	104	108.4	162.6
2. Labels							
Material: Labels, continous rolls or fan-folded	thermal and standard paper, cardboard, textil, plastic foils PE, PP, PVC, PA, PI						
Material thickness mm / weight g/m ²	0.07 - 0.35 / 60 - 250						
Media roll: Total diameter up to mm	210						
Core diameter mm	38 - 100						
Winding direction	inside or outside						
Material width mm with a thickness 0.07 - 0.35 mm	25 - 65			25 - 120		50 - 180	50 - 235
with a thickness 0.25 - 0.35 mm	10 - 65			10 - 120		-	-
Label width mm	4 - 61			4 - 116		50 - 176	50 - 220
Label width when dispensing ¹⁾ min. mm					25		50
Label height min. mm					5		6
Label height when dispensing ¹⁾ min. mm					12		25
Label height max. mm	2,000	2,000	2,000	1,000	2,000	2,000	2,000
3. Ribbon							
Ink	inside or outside						
Roll diameter up to mm	80						
Core diameter mm	25						
Ribbon length variable up to m	500						
Width up to mm	56			114		165	220
4. Internal re-winder (only Peel-off version)							
Total diameter up to mm	145						
Core diameter mm	38.1						
Winding direction	only outside						
5. Dimensions printer							
Height x Depth mm	274 x 446						
Width mm	190			242		302	352
Weight kg	8.5			9		13	15
6. Label sensor							
See through/Reflective sensor from below, adjustable mm	5 - 26	5 - 53					
7. Electronics							
Processor high speed 32 Bit ColdFire/Taktrate MHz	266						
RAM MB	64						
ROM MB Flash	8						
Slot for memory CompactFlash-card Type I up to 1 GB							
Slot for memory card Cardbus / PC-Card Type II							
Real time clock, Print out of time and date							
8. Operation panel							
Buttons illuminated, depending on mode of operation	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor						
LCD graphic display Width x Height in mm	60 x 40						
lines/characters	4 / about 20						
9. Interfaces							
Parallel Centronics bi-directional acc. IEEE 1284	<input type="checkbox"/>						
Serial RS 232 C 1.200 up to 230.400 Baud/8 Bit							
USB 2.0 High Speed Slave for PC-connection							
Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP, Zeroconf, mDNS							
RS 422, RS 485 1,200 up to 230,400 Baud/8 Bit	<input type="checkbox"/>						
Peripheral connection							
WLAN card 802.11b/g	<input type="checkbox"/>						
USB Master for keyboard and scanner	2x						

¹⁾ Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be tested and cleared.

Standard Option

10. Monitoring	
Stop printing if	End of ribbon End of labels Printhead open
11. Settings	
	Country specific (IR, CZ, D, DK, E, F, GB/USA, H, I, IL, N, NL, P, PL, RUS, S, SF, TR), system settings, print parameters, Interfaces, security.
12. Test routines	
	System diagnosis of memory and print head when switched on, Short Status, Status Print, font list, device list, profile of print head, profile of label, test grid, monitor mode.
Status reports	Extensive status print with information about instrument setting, for example print length counter, runtime counter etc. Request of the machine status via software command. Detailed status messages on the display, for example network error-no link, barcode error etc.
13. Fonts	
Font types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts. Optional chinese (simplified chinese)
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported.
Bitmap fonts	Size of width and height 1 - 3 mm zoom 2 - 10 Orientation 0°, 90°, 180°, 270°
Vector-/TrueType fonts	Size of width and height 0.9 - 128 mm variable zoom, Orientation 360° in steps of 1°
Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts
Font width	Variable

14. Graphics	
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG
15. Codes	
Linear Barcodes	Code 39, Code 93 Interleaved 2/5 Code 39 Full ASCII Ident- and lead Code 128 A, B, C code of german Codabar Post AG EAN 8, 13 JAN 8, 13 EAN/UCC 128 MSI EAN/UPC Appendix 2 Plessey EAN/UPC Appendix 5 Postnet FIM RSS 14 HIBC UPC A, E, E0
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and Start/Stop code, depending on code type.
16. Software	
Programming	J-Script direct programming abc-Basic Compiler Database Connector <input type="checkbox"/>
System diagnosis/ Administration	cab-printer monitoring cab-Network Manager <input type="checkbox"/> cab-Card Manager <input type="checkbox"/>
cab Label software	cablabel R2 Lite cablabel R2 Pro <input type="checkbox"/>
More Label software	Easylab, Codesoft, Nicelabel, <input type="checkbox"/> Bartender, Label Matrix, Labelview
Windows driver	2000, XP32/64 bit, 2003 32/64 bit, Vista 32/64 bit
Mac driver	OS X printer driver from version 10.3
Linux driver	Testet with Suse 9.0, CUPS based
17. Operation data	
Power supply	100 - 240 V ~ 50/60 Hz, PFC
Energy consumption	max. 300 W
Operation temperat.	10 - 35°C
Humidity not condensing	30 - 85%
Approvals	CE, FCC class A, CB, CCC

The specifications are according to our current technical knowledge. They are subject to change.

Peripheral devices - optimal accessories at full benefit

for the printer	Page	Basic d.	Dispense d.	A2+	A4+	A6+	A8+
1. Cutter CU	12	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Cutter CU-I	12	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Barcode tester	13	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Guide plate for internal rewinding	13	-	•	<input type="checkbox"/>	<input type="checkbox"/>	-	-
5. External re-winder for direct printer connection	13	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. External re-winder with built-in power supply	13	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. External un-winding of rolls up to 300 mm Ø	13	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Peel-off plate PS5 for automatic operation	14	-	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
9. Present sensor PS6 for manual /automatic operation	14	-	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
10. Pause adapter PS7 – pause of print job	14	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Present sensor PS8 for manual operation	14	-	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
12. Present sensor PS9 custom specific	14	-	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
13. Extended peel-off plate	14	-	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
14. Adapter 76 mm Ø	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>		
15. Adapter 100 mm Ø	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Rotating label un-winder IUX 76 mm Ø	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. External operation panel	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Memory card	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Numerical keyboard	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Compact keyboard	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Standard keyboard	15	•	•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

• Models Standard Option

Cutting labels and continuous material

1. Cutter CU



The cutter is used to cut labels, corrugated, textiles films or even heat-shrinkable tubing on label after another, after a specific number or at the end of a job.

2. Cutter CU-I



Additional external interface

An external signal activates the cutting function. All further technical attributes correspond to the CU-cutter.

Cutter	CU2	CU4	CU6	CU8
with external Interface	CU2-I	CU4-I	CU6-I	CU8-I
for printer	A2+	A4+	A6+	A8+
Material weight up to g/m ²	500			
Material width up to mm	65	120	180	232
Material height from mm	2 - Depending on material limitation			
Cutter tray	-	<input type="checkbox"/>	-	-

Perforation cut: Continuous material can be perforated on request. Delivery is customer-specific.

On- and off-winding of labels and continuous material

Testing barcodes directly after printing

Can be used together with the external re-winder ER4 - ER8.

3. Barcode tester



The built-in scanner tests the barcodes directly after printing. If the barcode is not readable the printing process can be stopped at once so the faulty labels can be removed.

4. Rewind guide for internal re-winding



For label rolls up to 145 mm Ø

The internal rewinding is operated by the dispense printer. The peel-off-plate is replaced with the rewind guide plate (for devices A2+ and A4+).

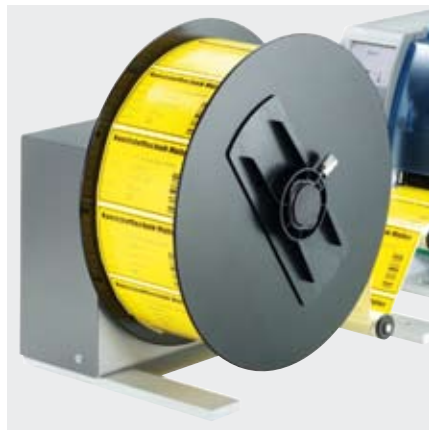
5. External re-winder



Direct connection onto the printer

The re-winder is screwed directly onto the printer. The label winding is optional inside or outside. A smooth and tight winding can be achieved through the electronic control of the swing arm.

6. External re-winder



With built-in power supply

The re-winder can be attached to almost every other printers. All other technical data are acc. to the re-winder under point 5.

7. External un-winder



For label rolls up to 300 mm Ø

It enables a smooth feeding of labels for heavy rolls. The un-winder works both with inside and outside wound labels.

External re-winder	ER1	ER2	ER3	ER4	ER4	ER6	ER8
Roll Ø max. mm	210	210	210	210	300	300	300
for printer	all A ⁺ -Series devices			all A ⁺ -Series-devices & other manufac.			
Material width up to mm	120	180	235	120	120	180	235
Winding speed up to mm/s	250	200	150	300	300	250	200
Power supply	24 VDC			100 - 240 V~ 50/60 Hz			
Core Ø mm	40 - re-winding with or without cardboard core						
Adapter mm	76 - re-winding with cardboard core						
Winding of labels	inside or outside						

External un-winder	EU4	EU6	EU8
Roll Ø max. mm	300	300	300
for Printer	A ⁺ -Series & other manufactures		
Material width up to mm	120	180	235
Core Ø mm	40		
Adapter mm	76		
Winding of labels	inside or outside		

Specific solutions for different requirements.

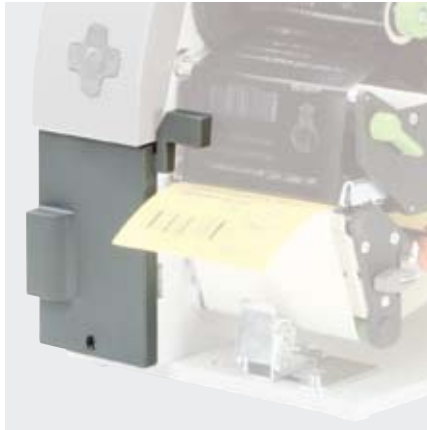
8. Peel-off adapter PS5



For automatic operation

Printing and dispensing of the label is started via an external signal. The discharging can be made by a robot, applicator or manually. With six additional input and output signals like "label taken" or "print of label is started" the labelling process can be controlled.

9. Present sensor PS6



For manual and automatic operation

There are two options:

1. Dispensing after removal (manual) without connection to the external peripheral connector.
2. Dispensing on demand (semi-automatic) with present trigger, foot switch and external control system.

10. Pause adapter PS7



Interruption of print job

The printing can be paused by an external signal by using a label loop.

11. Present sensor PS8



For manual operation

The photo cell detects the label in peel position and pauses the labeling process. After removing the label the next one is printed instantly.

12. Present sensor PS9



For dispensing labels where the outer edges are not detected by the present sensor PS6. The extension is made on customer specification.

13. Extended peel-off plate



If labels are difficult to peel off we recommend a 10 mm extended peel-off plate.

**14. Adapter
76 mm Ø**



Recommended for heavy rolls with a core diameter of 76 mm.

**15. Adapter
100 mm Ø**



Both for very sensitive or small labels we recommend a core diameter of 100 mm.

**16. Rotating label un-
winder IUX 76 mm Ø**



Recommended for dust-sensitive areas. The roll is fixed tightly onto the unwinder. (No abrasion through the card-board core.)

17. External panel



Same operation as the operation panel on the machine, with an additional slot for a memory card.

Connection: USB
Keys: Menu, Pause, Feed, Cancel, Enter
Display: 60 x 40 mm
Slot for: CF-Karte Typ I
L x W x H mm: 182 x 68 x 30

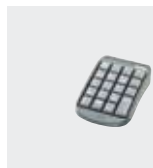
18. Memory card



Compact Flash Typ I	512 MB
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Label formats, fonts, texts and graphics can be saved. It can be accessed from the printer or from the PC.

19. Numerical



20. Compact



21. Standard



Keys	Numerical	Compact	Standard
Connection	USB	USB	USB
No. of keys	19	86	115
L x W mm	120 x 76	282 x 132	460 x 192

For the input of numeric and variable data in stand-alone-mode.

As the implementation of the USB-standards can alter for different products, adverse effects may occur. On this account the operation and the compliance with CE-standards is only warranted by using cab-made materials or materials recommended by cab.

22. Present trigger



For semi-automatic applications the printing, cutting and peel-off-function can be activated via manual control switch.

23. Foot switch



For semi-automatic applications the printing, cutting and peel-off-function can be activated via foot switch.

24. Photo cell



For automatic product identification on the conveyor belt.

25. Sub-D plug



For easy connection the sub-D plug is equipped with a screwed clamp.

Zubehör für	Cutter CU-I	Peel-off adapter PS5	Present sensor PS6/9	Pause adapter PS7	Applicator A 1000
22. Present trigger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Foot switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Photo cell	-	-	-	-	<input type="checkbox"/>
25. Sub-D plug 15 pole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25 pole	-	-	-	-	<input type="checkbox"/>

Print and apply in real-time

1. Long operation lines

The guides have ball bearings which avoid abrasion.

2. Variable product heights

With the pneumatic cylinder it is possible to compensate differences in product heights. It is available in different heights of stroke.

3. Simple adjustment

Four screws are needed to adjust the tamp pad to the dispensing edge. The processing can be optimized at the operator panel during the testing.

4. Pre-dispense key

Tests the labelling function. At the first operation the label is printed and then transferred via the applicator. By pushing the button again the label is applied.

5. Air service unit

The mounting takes place directly on the printer. The micro strainer prevents contamination, the compressed air regulator guarantees the labeling quality.

6. High process reliability

The supporting air jet streaming, the vacuum and the speed of the cylinder are adjustable. For highly sensitive products and packaging the pressure to apply labels can be reduced to less than 1 kg. Consequently there is no risk of injury. To avoid contamination within the vacuum channels are cleaned by an air pressure impulse at the end of each application.

7. Real time labeling

Labels with a height of 25 - 200 mm and with a width of 25 - 176 mm can be applied.

8. Quick assembly

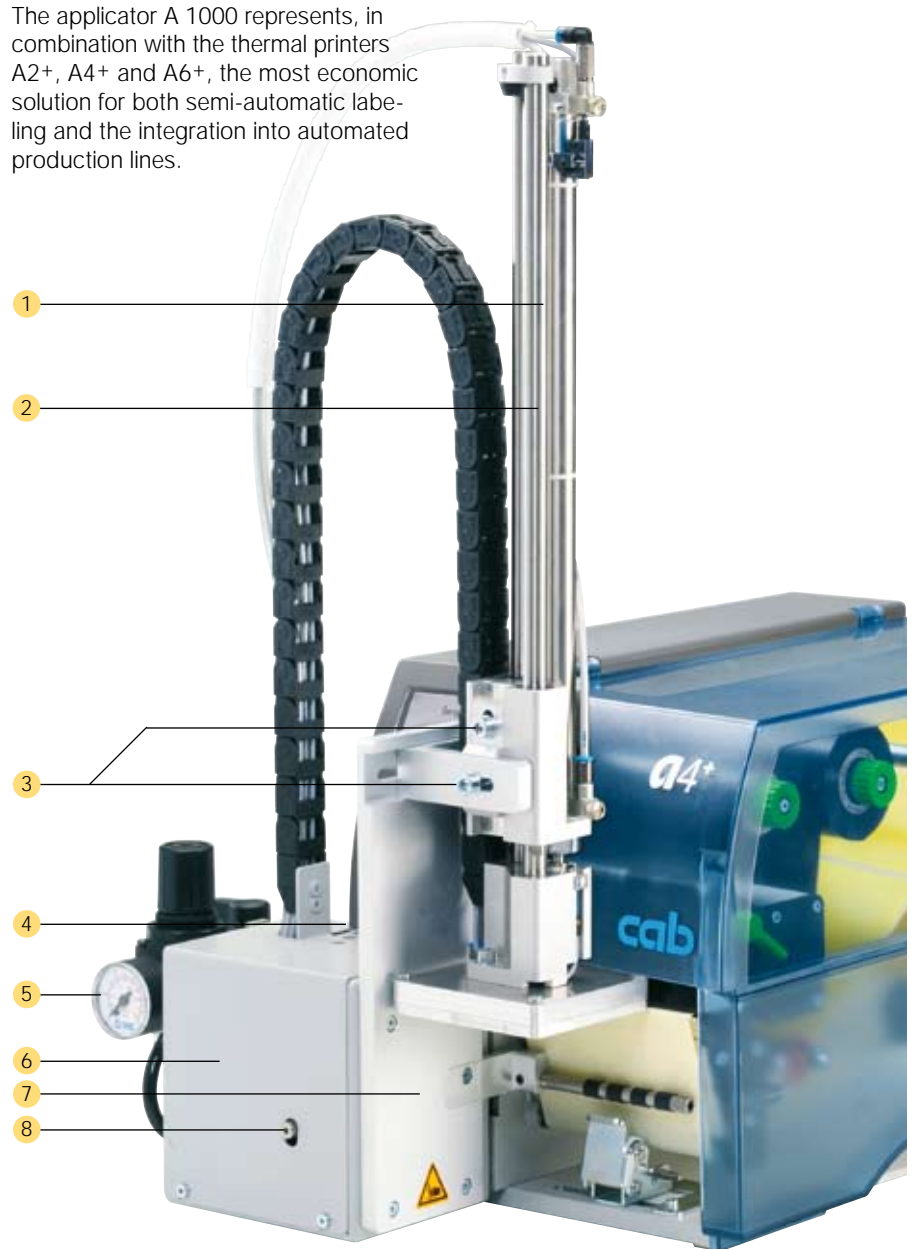
Like any other accessory, the applicator is plugged into the printer with two stoppers and can be attached with only one screw.

Digital I/O-Interface

The master (e.g. PLC) starts or stops the labeling process. The status and error messages are issued at the same time.

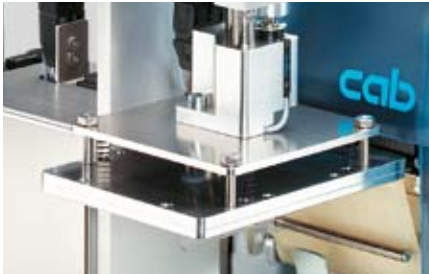


The applicator A 1000 represents, in combination with the thermal printers A2+, A4+ and A6+, the most economic solution for both semi-automatic labeling and the integration into automated production lines.



Label transfer method	Tamp	Roll on	Blow
Label width mm	25 - 176	25 - 176	25 - 176
Label height mm	25 - 200	80 - 200	25 - 100
Cylinder stroke mm		220 / 300	
Stroke of tamp below printer mm		70 / 150	
Compressed air bar		4 - 8	
Product surface		flat	
Product height variable			-
fixed	-	-	
Product fixed			
linear movement	-		

Tamp pad



During the print and apply cycle the product remains fixed. The universal tamp is covered by a foil. According to the size of the label the holes can be pierced. The tamp pads are customized to the dimensions of the label sizes on request.

Blow pad



For applying pressure to sensitive products the label can be blown onto the product with the supporting air jet stream. The print and apply cycle performs in a fixed position or in a linear movement of the product. The blow pad moves to a pre-adjusted position approx. 10 mm away from the product.

Roll-on pad



Using the roll-on pad the label is dispensed until it touches the roller. The tamp pad moves on top of the product. The label is then rolled on and applied by the movement of the product.

Printer on lower frame



Lower frame



The lower frame can be customized according to the special requirements regarding width and height. The print and apply system is positioned by adjusting two bolts. The exact position of the system can be adjusted on a guide rail.

The stand for flexible printer mounting



The stand enables the fast and flexible application of the printer in every manufacturing line. The labelling position is easy to adjust in height and width. Four guide rollers at the undercarriage provide for mobility. It is adjusted with bases at the place of installation.

The print and apply system is mounted on a base plate with a thickness of 10 mm and can be fixed with only one clamp.

Stand



Printer holder for A4+ and A6+, A2+ on request

Stand	
Total height mm	1.600
Labeling height up to mm	1.400
Projection mm	230 - 500
Undercarriage (base distance)	
Width x Depth x Height mm	600 x 860 x 140

Optimal output through optimal input

Printer Control

Direct programming with J-Script

J	Job Start
H 100	Speed (100 mm/s)
O R	Orientation rotated by 180°
S L1:0,0,68,70,100	Size of label (100x68 mm, gap 2 mm)
T 10,10,0,5,pt20:sample	Text object/font: Swiss bold, 20 pt
B 10,20,0,EAN-13,SC2:401234512345	Barcode EAN 13, size SC 2
G 8,3.5,0;R:30,9,0.3,0.3	Graphic, box 30 x 9 mm, Line strength 0.3 mm
A 1	Number of labels (in this example 1)

The printer language is easy to understand and integrate into your host system. Linkage of variable data with host application. Label design, graphics and fonts are recorded on the compact flash card. The host computer sends only the variable data to the printer.

abc - Basic Compiler

```

default.lbl - Editor
Datei Bearbeiten Format Ansicht ?
<ABC>
DO
LINE INPUT a$
IF LEFT$(a$,15)="194300301480070" THEN
PRINT "R t2;";MID$(a$,16)
ENDIF
IF LEFT$(a$,15)="194300300580172" THEN
PRINT "R t3;";MID$(a$,16)
ENDIF
IF LEFT$(a$,15)="194300301970073" THEN
PRINT "R t1;";MID$(a$,16)
ENDIF
IF a$="Q0001" THEN
PRINT "A 1"
ENDIF
LOOP
</ABC>
    
```

As an integrated element of the firmware it enables the printer to process data via BASIC programming before being transmitted to print editing. Thereby external printer languages can be replaced or data from other systems, e.g. SPS, can be transferred to be printed on different label sizes.

Database Connector

The database connector enables stand-alone printers to link up data from a SQL-compatible database and to print. Data can be rewritten and modified simultaneously to the printing process.

Monitoring

cab printer monitoring with Intra- and Internet



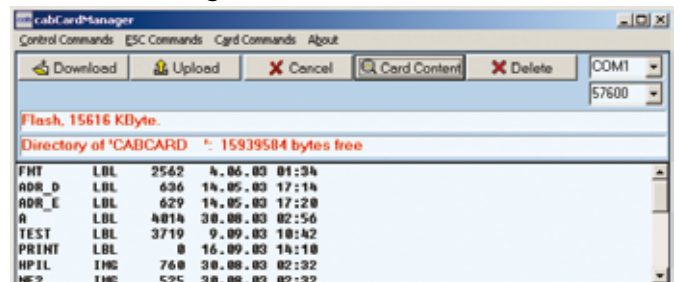
The integrated HTTP- and FTP-Server enables, with standard programs like web browser or FTP-clients, the print monitoring, configuration, the firmware-update and the administration of the memory card. Status signals, warning or error signals are sent to users or administrators either as email or SNMP-datagram via SNMP- and SMTP-clients.

Administration

cab-Network Manager

The cab network manager enables the user to govern several printers within the network at the same time. It supports monitoring, configuration, firmware updates, memory card and PIN-administration centrally.

cab-Card Manager



Via RS232 the memory card can be administrated fast and easy. Label layouts, True-type text fonts, complex graphics and databases can be up- or downloaded.

cablabel software for cab printers

cab Windows driver



Create and print your label with a Windows program for ex. MS Word, Excel, Access, Works, Corel Draw etc.

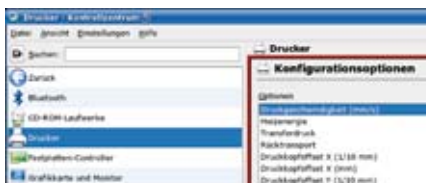
Windows printer driver are provided for 2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit.

Mac OS X driver



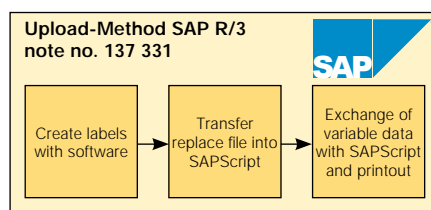
For MAC OS X cab offers a CUPS based printer driver. Please inquire.

Linux driver



For LINUX cab offers also a CUPS based printer driver.

Integration into SAP R/3



cab developed together with SAP the "replacefile" application. This is a simple way to run cab printers with SAPScript out of SAP R/3.

The software to create labels



Perfect labels need optimized text fonts. cab offers a large number of bitmap and vector fonts. Height and width of the font can be scaled and the object can be positioned and arranged. Additional true type fonts can be downloaded to the memory card. Most of the country specific code-pages are supported.

Take advantage of using the multiple possibilities of cablabel R2.

cablabel R2 Lite

is equivalent to the previous Advanced-version. You get it - free of charge - with every cab printer.

cablabel R2 Pro

Allows the collection of printing data from different data bases. An assistant supports the creation of UCC/EAN 128 barcodes.

Whether simple texts, barcodes, graphics and the connection of databases, cablabel R2 is most flexible - all in 24 languages.

MDI (Multiple Document Interface) helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label. cablabel R2 provides its own drivers with greater response to all different functions of cab printers. This most effective way of communication between software and printer enables to achieve perfect results.

Additional label Software

cab offers a range of additional label software (Easylab, Codesoft, Nice-Label) to program printers, to print and to auto-apply systems.

cablabel R2	Lite	Pro
32-Bit Platform compatibility		
Languages European Version: IR, CZ, D, DK, E, F, FIN, GB/USA, H, I, IL,N, NL, P, PL, RUS, S, TR		
Languages Asian Version : Chinese, EST, J, LV, ROK		
Label samples		
Online documentation with tutorials		
Multi-level Undo		
number of levels	1	40
Graphic format import		
Color support		
Color graphic reduction		
Text art		
TrueType font		
Graphic barcodes		
numbers	9	37
Native printer barcodes		
Hidden (not printable) objects		
Label preview		
Graphics preview		
Grid view/print		
OLE-Client		
Windows driver support		
Control of printers	1	99
Support of net printer (TCP/IP)		
Bi-directional communication to the printer		
Stand-alone		
Printing to file		
Font Downloader		
Database		
Database Manager		
Access, DBF		
ASCII, ODBC, OLEDB		
Variables		
Flexible date and time stamping		
Host of date and time with Date offset		
Printing counter		
Host counter		
Variable graphic images		
Free variables		
Global files		
Decimal value formating		
Basic formula		
User Input Fields		
Text alignment		
Set input format		
Minimum input length		
Selection of default values		
Automatic prompt		
Extras		
UCC/EAN 128 and Maxicode Assistent		



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