



Barcode/Label printer A4+
More specific.
Predominant.
The Premium Class.

The new transfer printer A4+ Technology packed compactly



A label printing system can fulfil expectations. Or exceed them – like the new cab A4+.

Unlimited in its application range, easy to handle, solid in construction, global in the use of interfaces: the new A4+ includes all these advantages.

Furthermore it features an attractive design, requires very small space and offers interesting options like labelling and a favourable price.

Printing + more: The A4+ can tear-off or dispense labels



After printing the labels or continuous material can be – according to requirements - separated at the tear-off-plate.



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

RFID Printer with transponder write-read unit



The cab RFID option for the printers of the A-series reads and rewrites transponders in smart-labels with 13,56 MHz during the printing process. Please ask for our separate data sheet.

Host connection or stand-alone operation



The 2-parts cover folds when opened. Therewith it needs the smallest footprint in its class.

Most solid in its class



You can get the transfer printers with full metal cover on request. It can be exchanged on every printer.

Therefore you can choose between several software tools. Direct programming is conducted with a plain J-script language. Label design, graphic data and fonts can be saved on the compact-flash-card.



Convincing product advantages

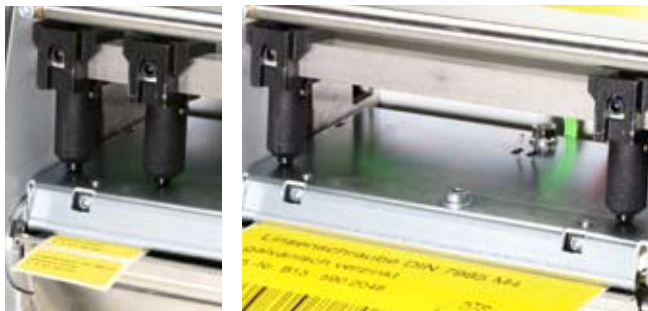
1. Big backlit graphics display

Texts are multilingual displayed, and icons help during the navigation.

2. Convenient navigator pad

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

3. Easy adjustment



The print head is pressed down with two sliders. One is mounted to the left label margin, the other one is pushed onto the right label margin.

4. Printing with 203, 300 or 600 dpi

In only a few steps the print heads can be replaced. The print heads are identified automatically. For thermal labels there is a separate version available, without ribbon rewinder and unwinder.

5. Solid, buckling resistant chassis

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

6. Ribbon rewinder and unwinder

The threepart tightening axes with adjustable diameter allow a fast and easy ribbon exchange. The safety clutch and the brake are adjustable for sensitive materials.

7. Universal material unwinder

Serially made for core diameters from 38 – 76 mm. On special requests also available for core diameters from 20 mm.

Additional adapters with 40, 50, 76 or 100 mm diameter can be fixed onto the roll holder.

8. Label rewinder

With the threepart tightening axes with adjustable diameter labels or backing paper with or without cardboard core can be rewound and removed easily.

Interface variety



Predominant in Network Connections

3. Ethernet 10/100 Base T interface with TCP/IP protocol printing with LPR/LPD or Raw IP-Printing. IP address can be sent manually or obtained via DHCP status inquiry and settings via internet browser. FTP for firmware updates, control of CF card files messages can be sent via e-mail or SNMP. Time and date is synchronized with a time server.
1. WLAN with optional bridge for every operation system.

PC-Connections

5. USB 2.0 Full Speed-slave interface.
6. Serial RS232 C-interface up to 230.400 Baud.

For Stand-Alone operation without PC

4. Two USB-master interface for PC-keyboards or scanner.
2. CompactFlash card to save fixed data.

Optional Interfaces

Parallel Centronics interface acc. IEEE 1284.
 Serial RS422 interface for long distance communication.
 Serial RS485 for networking up to 26 printers.

Easy servicing and removing of consumables

Photo cell



The photo cell can be unlocked with only one finger and can be removed for cleaning.

Print head



The print heads 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.

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



The complete accessories

Cutting labels



The cutter is used to cut labels, cardboard textil or plastic foil or even heat-shrinkable tubes one label after the other, after a certain number of labels or at the end of the print job.

Print and apply



With the applicator the labels are tamped or blown directly on the product.

Barcode tester



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

Internal rewinding of labels



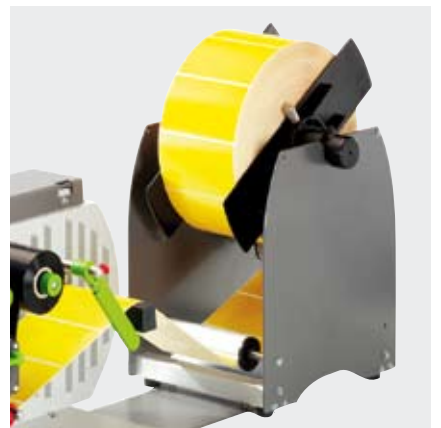
Label rolls up to 145 mm diameter and can be rewinded with the internal rewinder after printing.

External rewinding of labels



Label rolls up to 300 mm diameter. The winding can be inside or outside by choice.

External unwinding of labels



Label rolls up to 300 mm diameter. The unwinder works with inside or outside wound label rolls

External operation panel

Applicable in machines which are difficult to access. Connection via USB-interface.



Numerical PC-Keyboard USB

For input of numerical data in stand-alone-mode.



Compact PC-Keyboard USB

For direct input of variable data in stand-alone-mode.



Memory card up to 1 Gigabyte

With the Compact-Flash-Card label formats, fonts, texts and graphics can be saved. It can be accessed from the printer or from the PC.



Technical Data		A4+				
Printing method	Thermal transfer (thin film)	■	■	■	□	□
	Thermal direct (thick film)	□	□	-	■	■
Print resolution dpi		200	300	600	200	300
Print speed up to mm/s		250	250	100	200	150
Print width up to mm		104	105.6	105.6	104	108.4
Labels						
Material - labels, continuous mat. on rolls or leporello						
Thermal a. standard papier, card board, textil ¹ , 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 - 76				
Winding direction		inside or outside				
Material width mm with a thickness 0.07 - 0.35 mm		25 - 120				
with a thickness 0.25 - 0.35 mm		10 - 120				
Label width mm		4 - 116				
Label height min. mm		5 - 2000				
Label height when dispensing ¹⁾ min. mm		12				
Ribbon						
Ink		inside or outside				
Roll diameter up to mm		80				
Core diameter mm		25				
Ribbon length variabel up to m		500				
Width up to mm		114				
Internal Rewinder						
Total diameter up to mm		145 / 200				
Core diameter mm		38.1				
Winding direction		only outside				
Dimensions						
Hight x Dept x Width mm		274 x 446 x 242				
Weight kg		9				
Label sensor						
See through/Reflective sensor from below, adjustable mm		2 - 57.5				
Elektronics						
Prozessor 32 Bit ColdFire/CPU Speed MHz		266				
RAM MB		64				
ROM MB Flash		8				
Slot for memory card CompactFlash Type I bis 1 GB		■				
Slot for memory card Cardbus / PC-Card Type II		■				
Real time clock, Print out of time and date		■				
Operation panel						
Digits/LEDs		Pause, Feed, Cancel, Menü, Enter, 4 x Cursor				
LCD graphic display		Width x Height in dots				
		128 x 64				
		lines/characters				
		4 / about 20				
Interfaces						
Parallel Centronics bi-directional acc. IEEE 1284		□				
Seriell RS 232 C 1.200 up to 230,400 Baud/8 Bit		■				
USB 2.0 High Speed Slave für PC-Anschluss		■				
Ethernet 10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, Time client		■				
RS 422, RS 485 1.200 up to 230,400 Baud/8 Bit		□				
Peripheral connection		■				
WLAN card 802.11b/g		□				
USB Master for keyboard and Scanner		2x ■				
Twinax/Coax-Converter		□				
Accessories						
Cutter		□				
Present sensor manual/automatic		□				
Pausen adapter		□				
External operation panel		□				
Barcode tester		□				
RFID Read-write modul		□				
Applicator with Accessories		□				
External rewinder		□				
External unwinder		□				
PC-keyboard USB 4-port Hub		□				
Compact PC-keyboard USB		□				
Memory card						
CompactFlash Type I up to 1 GB		□				

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

Self diagnostics		A4+	
Stop printing if	Out of ribbon Out of labels		
Testing routines	System diagnosis of memory and print head when switched on Print-out of system data		
Status reports	Total print length Total operation hours		
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.		
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		
Graphics			
Graphic elements	Line, arrow, box, circle, ellipse, filled, filled with fading		
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG		
Codes			
Linear Barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C Codabar EAN 8, 13 EAN/UCC 128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident and lead code of German Post JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	
2D Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14		
	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.		
Software			
Programming	J-Script Direct programming abc-Basic Compiler Database Connector	■ ■ □	
System diagnostics/ Administration	cab-printer monitoring cab Network Manager cab-Card Manager	■ □ □	
cab label software	cablabel Lite cablabel Professional,	■ □	
More label software	Easylab, Codesoft, Nicelabel, Bartender, Label Matrix, Labelview	□	
Windows driver	98, ME, 2000, 2003, XP Windows NT from Version 4.0	■	
Mac driver	OS X printer driver from version 10.3	■	
Linux driver	Testet with Suse 9.0, CUPS based	■	
Power supply	100 - 240 V ~ 50/60 Hz, PFC		
Energy consumption max.	max. 250 W		
Operation temperatur	10 - 35°C		
Humidity not condensing	30 - 85%		
Safety regulations	CE, FCC class A		

Quality made visible



Perfect labels need to have 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 codepages are supported.

cab Windows driver



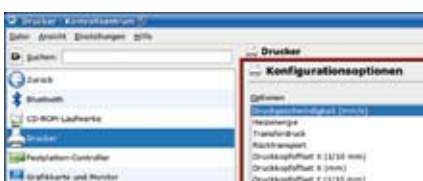
Windows printer drivers are provided for Windows 98, ME, 2000, NT and XP.

Mac OS X driver



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

Linux driver



For LINUX cab offers a CUPS based printer driver.



Powerful functions enable the creation and printing of even complex labels within minutes.

Take advantage of using the multiple possibilities of cablabel for including simple texts, barcodes, graphics and databases. cablabel is most flexible - and all this in 18 languages.

MDI (Multiple Document Interface) helps to open and handle several labels at the same time. Objects may be copied, moved and inserted into another label.

cablabel provides its own drivers with individual respond to all different function of cab printers. This most effective communication between software and printer enables to achieve perfect results.

● cablabel Lite

Free of charge with every cab printer

● cablabel Professional

By including the label into data bases professional handling is supported. There is an interactive assistant that supports the creation of an UCC/EAN 128 barcode.

Further label Software

cab offers a range of additional label software (Easylabel, Codesoft, NiceLabel) enabling to program printers, to print and to apply systems.

cablabel	Lite	Professional
32-bit platform compatibility	■	■
Label samples	■	■
Online documentation with tutorials	■	■
Multi-level Undo number of levels	■	40
Hidden (not printable) objects		■
Graphic format import	■	■
Color support	■	■
Color graphic reduction		■
TrueType font	■	■
Graphic barcodes numbers	■	37
Native printer barcodes	■	■
Label preview	■	■
Graphics preview	■	■
Languages: Arabic, CZ, D, DK, E, F, GB/USA, H, I, IL, N, NL, P, PL, RUS, S, SF, TR	■	■
Grid view/print		■
Database		
ASCII database		■
ODBC (Microsoft Open Database Connectivity)		■
OLEDB		■
Database manager		■
Variables		
Flexible date and time stamping		■
Variable graphic images		■
Shared serial files		■
Decimal value formatting		■
Add an offset to a date		■
Tools		
Set input format		■
Minimum input length		■
Default value proposal		■
Automatic prompt		■
User Input Fields		
UCC/EAN 128 assistant		■
Font Downloader		■
Bi-directional communication to the printer		■
Programming		
OLE-Client		■