

DE KONINGH



CODING · LABELING · INSPECTION

Products need labeling

Label printers
for industrial applications



XD4T, XC

Label printers for industrial applications

They fit with a wide range of applications.

They have been developed with focus on easy and convenient operation and high reliability.

The print mechanics and the chassis are made of high-quality materials and perfectly match in terms of shape and function.

A large number of peripherals and software enable customer-specific solutions.

Whether they are operated in stand-alone mode, in a PC application or within a network – the rugged **A8+** printers and the **X series** are always up to the mark.

Sample applications

Label printer XD4T

Double-sided printing, for example textile labels, shrink tubes and continuous materials



Label printers XC4, XC6

Two-color printing, for example warning labels compliant to GHS



Label printer XD4T for double-sided printing



It prints on both sides of textile tapes, cardboard labels, pressed tubes continuous or ready-for-use, as well as on endless materials made of plastic, paper or cardboard. The ribbon separates from the materials with the help of a draw roller that also improves the accuracy of the imprint.

No print head adjustment necessary with different material widths

Print rollers provided for slim and thin materials

Label printers		XD4T
Printable resolution	dpi	300
Print speed	up to mm/s	125
Print width	up to mm	105.6

Accessories



Cutter CU4

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

Perforation cutter PCU4

In addition, the materials can be perforated before they are manually separated.



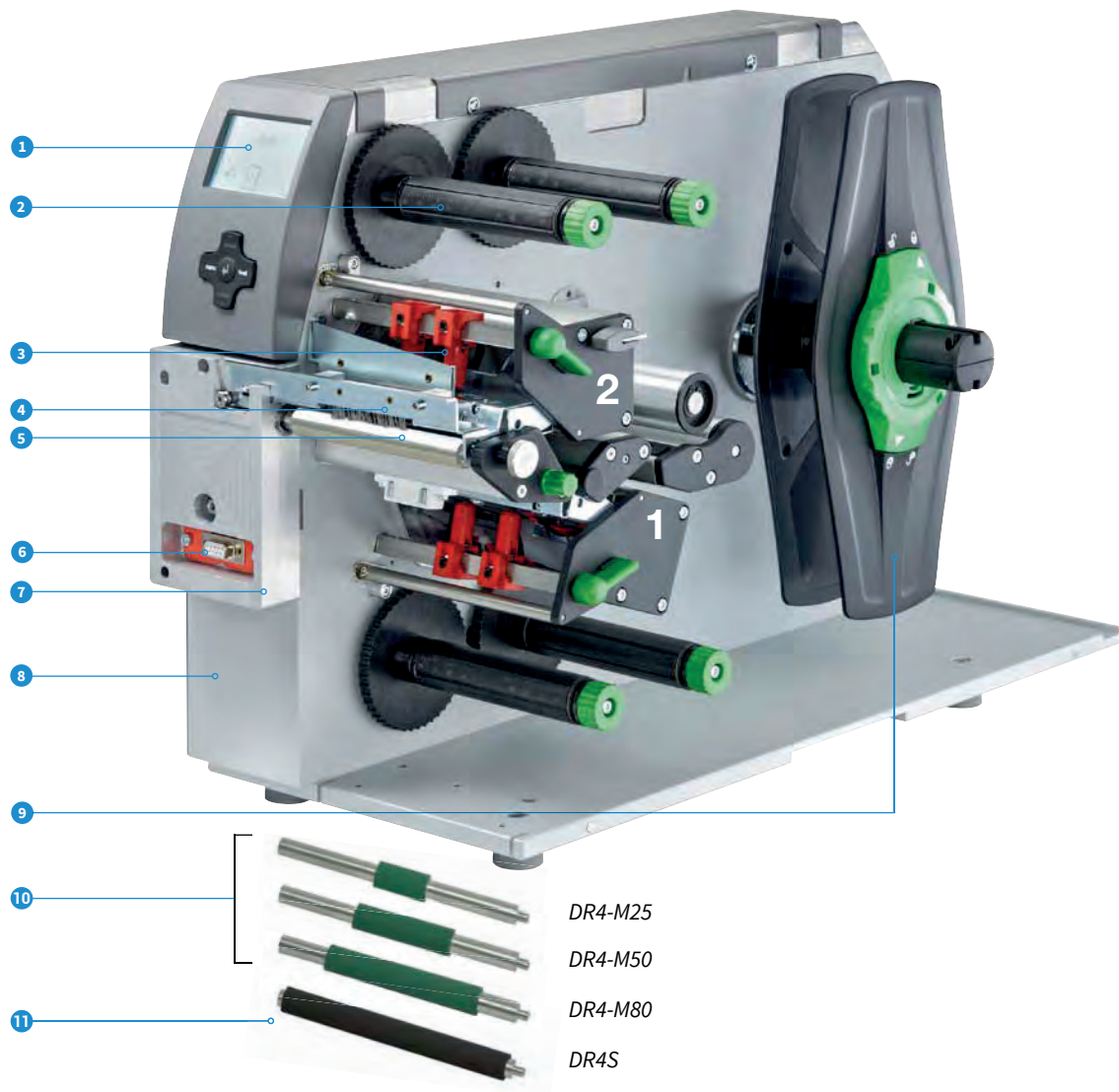
Stacker ST4 M with cutter

The printed materials are cut and stacked.

If the maximum stack height is reached, printing is interrupted. Even stiff or curved materials can be processed.

We recommend to have these applications tested at our premise.

Details



1 Large graphic display

White backlight provides good readability.

2 Ribbon holder

The three-part tightening axes enable the ribbon to be easily inserted. A preprinted ruler simplifies the adjustment.

3 Plungers

The print head is pressed on by two plungers. As the materials are centre-guided in the device, no print head setting or adjustment is necessary.

4 Antistatic brush

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

5 Material guide

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

6 Periphery connection

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

7 Separator

primarily if continuous or textile materials as well as shrink tubes are processed. At high heat energy the ribbon can stick with the textile tape. A roller reliably separates the material from the ribbon.

8 Rugged metal chassis

made of cast aluminum. Basis to assemble all the units

9 Roll holder

picking up core diameters of at least 38 mm (76 mm adapters for a better label winding are included in the delivery). The material roll automatically centers when setting the margin stop. In case of core diameter 100 mm, an adapter is recommended.

10 Slim print rollers DR4-M

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

11 Print roller DRS

It has an extra long service life at a higher imprint tolerance. Coating: silicone

DR4-M25

DR4-M50

DR4-M80

DR4S



Technical data

■ Standard □ Option

		1.1	1.2	1.3	1.4
Label printer		A8+	XD4T	XC4	XC6
Print head					
Material feed		left-aligned	centered	left-aligned	left-aligned
Printing method		■	■	■	■
Thermal transfer		■	-	-	-
Thermal direct		■	-	-	-
Printable resolution	dpi	300	300	300	300
Print speed	up to mm/s	150	125	125	125
Print width	up to mm	216	105,6	105,6	162,6
Material					
Roll	Paper, cardboard, plastics such as	■	■	■	■
Reel	PET, PE, PP, PI, PVC, PU, acrylate, Tyvec	-	■	-	-
	Pressed shrink tubes	-	■	-	-
	Textile tapes	-	■	■	-
Labels ¹⁾	Width	46 - 220	10 - 110	20 - 116	46 - 176
	Height	20 - 2,000	20 - 2,000	20 - 2,000	20 - 2,000
	Thickness	0.05 - 0.2	0.05 - 0.8	0.05 - 0.2	0.05 - 0.2
Liner material	Width	50 - 235	10 - 110	24 - 120	50 - 180
Continuous material	Width	50 - 235	4 - 110	-	-
Shrink tubes	Weight (cardboard)	up to g/m ²	300	300	-
	Width ready-for-use	up to mm	-	110	-
	continuous	mm	-	4 - 85	-
Roll, reel	Thickness	up to mm	-	1.1	-
	Outside diameter	up to mm	205	300	300
	Core diameter	mm	38 - 100	38 - 100	76 - 100
	Winding	outside or inside			
Ribbon²⁾					
Ink side		outside or inside			
Roll diameter	up to mm	72			
Core diameter	mm	25			
Variable length	up to m	360			
Width	up to mm	220	114	114	165
Printer sizes and weights					
Width x Height x Depth	mm	352 x 274 x 446	248 x 395 x 554	248 x 395x 554	358 x 395 x 554
Weight	kg	15	21	22	24
Label sensor with position indication					
Gap sensor for		labels, punch marks or print marks in transparent materials and end of material			
Reflective sensor from below or top (option) for		print marks in not transparent materials and end of material			
Distance sensor	to locating edge	mm	5 - 53	-	5 - 53
	from centre to the left	mm	-	0 - 53	-
Electronics					
Processor	32 bit clock rate	MHz	266		
Main storage (RAM)		MB	64		
Data storage (IFFS)		MB Flash	8		
Slot for	CompactFlash Type I		■		
	WLAN card		■		
Battery buffer for real-time clock			■		
Acoustic error signal			■		
Interfaces					
RS232C			■		
USB 2.0 Hi-speed slave to connect a PC			■		
Ethernet 10/100 Mbit/s			LPD, RawIP printing, FTP, DHCP, HTTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP		
RS422/RS485			□		
Periphery connection			■		
WLAN 802.11b/g, WEP/WPA-PSK (TKIP)			□		
2 x USB host for			Service Key, USB memory stick, keyboard, barcode scanner, external operation panel		
Operating data					
Power supply			100 - 240 VAC, 50/60 Hz, PFC		
Power consumption			100-300 W, depending from the type of device		
Temperature / humidity	Operation		+5 - 40°C / 10 - 85 % not condensing		
	Storage		0 - 60°C / 20-80 % not condensing		
	Transport		-25 - 60°C / 20-80 % not condensing		
Approvals			CE, FCC, CB, cULus, CCC		

¹⁾ Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested.

²⁾ The ribbon should at least correspond with the width of the liner material.

Technical data

■ Standard □ Option

Operation panel	
	Graphic LCD display Width 60 mm, height 40 mm Four lines of text, approx. 20 characters per line
Buttons / LED	Pause, Feed, Cancel, Menu, Enter 4 x cursor
Setup options	
	Digital or analog clock Time Device settings Date Printing parameters Interfaces Language settings Security
Status display	
	Data reception Clock WLAN Calendar Ethernet abc debug Memory in use Input buffer Print head temperature Ribbon remaining Memory card access
Monitoring	
	End of ribbon End of label web Print head open Final cutter position not reched
Test routines	
System diagnostics	when device is switched on, including print head detection
Brief status display, status printout	Fonts list Test grid Device overview Label profile WLAN status Monitor mode PPP status
Status reports	- Printout of device settings, for example print lengths and running times - Device status request via software command - Display information of, for example, network error, missing link, barcode error, etc.
Fonts	
Font types internally provided	5 bitmap fonts: 3 vector fonts: 12 x 12 dots Swiss 721 16 x 16 dots Swiss 721 Bold 16 x 32 dots Monospace 821 OCR-A OCR-B
to be stored	TrueType fonts
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 MacRoman DEC MCS K018-R Western European Cyrillic Eastern European Greek Chinesisch simplified Latin Thai Hebrew Arabic
Bitmap fonts	Size in width and height 1 - 3 mm Zoom factor 2 to 10 Orientations 0°, 90°, 180°, 270°
Vector / TrueType fonts	Size in width and height 0.9 - 128 mm Variable zoom Orientation 360° in steps of 1°
Font styles	Bold, italic, underlined, outline, inverse - depending from the font type
Character spacing	variable

Graphics	
Graphic elements	Lines, arrows, rectangles, circles, ellipses; filled and filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG
Barcodes	
Linear	Code 39, Code 93 Interleaved 2/5 Code 39 Full ASCII Ident and routing code Code 128 A, B, C of Deutsche Post EAN 8, 13 Codabar EAN/UCC 128/GS1-128 JAN 8, 13 EAN/UPC Appendix 2 MSI EAN/UPC Appendix 5 Plessey FIM Postnet HIBC RSS 14 UPC A, E, E0
2D and stacked	DataMatrix EAN-DataMatrix QR code PDF 417 Micro PDF 417 GS1 Data Bar Aztec Codablock F UPS Maxicode RSS 14 truncated, limited, stacked, stacked omni-directional All codes are variable as regards height, modular width and ratio; orientations 0°, 90°, 180°, 270° optional check digit, plain text printout and start / stop code depending from the type of code
Software	
Label software	cablabel S3 Lite ■ cablabel S3 Viewer ■ cablabel S3 Pro □ cablabel S3 Print □
Running also with	CODESOFT NiceLabel BarTender
Stand-alone operation	■
WHQL certified Windows printer drivers for	Windows Vista Server 2008 Windows 7 Server 2008 R2 Windows 8 Server 2012 Windows 8.1 Server 2012 R2 Windows 10 Server 2016 Server 2019
Apple Mac OS X printer drivers ³⁾	from version 10.6 ■
Linux printer drivers ³⁾	from CUPS 1.2 ■
Programming	Printer language JScript ■ abc Basic Compiler ■
Integration	SAP ■ Database Connector ■
Administration	Printer control ■ Configuration in Intranet and Internet ■ Network Manager ■

³⁾ only with label printer A8+



Postbus 137, 6920 AC Duiven
Geograaf 8, 6921 E W Duiven
T: +31 (0)26 741 00 00
F: +31 (0)26 741 00 99
info@dekoningh.nl - www.dekoningh.nl