Edition 9

Print and Apply System Hermes+

Made in Germany

Content

Type overview label printer Hermes+

Hermes+ is designed for the fully automatic industrial labeling. Different applicators apply the label by rolling on, blow on or tamp on to products or packaging.

The Sleek

For small labels with high printing accuracy.

1.1	Label printer	Hermes+ 2	
	Print resolution dpi	300	600
	Print width up to mm	54.2	57
	Print speed up to mm/s	150	100
	Label roll Ø mm	205	
	Label width up to mm	58	

The Universal

Our top-seller with high printing accuracy and an extensive range of accessories.

1.2	Label printer	Hermes+ 4		
	Print resolution dpi	203	300	600
	Print width up to mm	104	105.6	105.6
	Print speed up to mm/s	250	250	100
	Label roll Ø mm	205		
	Label width up to mm	114		

The Wide

Ideal for Odette- and UCC labels.

1.3	Label printer	Hermes+ 6	
	Print resolution dpi	203	300
	Print width up to mm	168	162.6
	Print speed up to mm/s	200	200
	Label roll Ø mm	205	
	Label up to mm	174	

Type overview label printer Hermes+

Hermes+ 2

Label reel Ø 205 mm

Hermes+ 2
Hermes+ 4
Hermes+ 6

Label roll Ø 205 mm

Hermes+ 2
Hermes+ 4
Hermes+ 6

Label roll Ø 305 mm

Hermes+ L

Dispensing to the left

Hermes+ R

Dispensing to the right

Hermes+ 2
Hermes+ 4
Hermes+ 6
} with rolls Ø up to 205 mm

Protection cover

Technical details

1 Large graphic display
White backlight guarantees clarity of display.
Depending on the fitting position the display can be turned in steps of 90°.

2 Navigator pad
Simple, interactive menue control. Applicable functions are illuminated. Menue handling is easy to comprehend.

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

4 Solid, buckling resistant metal chassis
It is made of dye-cast aluminium.
All devices are assembled to it.

5 Assembly applicator
The applicator is assembled on hinges and can be exchanged easily.

6 Printing offset
After exchanging the label roll the printing position is set up automatically after a few printed labels. The label position is stored, even if the machine is turned off.

7 Printhead
The printhead can be exchanged easily.
Adjustments and setups are not necessary.

8 Ribbon saver
It is used for labels which are to be only partially printed. The printhead is lifted off in the plain area and the ribbon is stopped during label feed.

9 Transport system
The ball bearing transport rollers ensure a highly accurate printing and the precise feeding of labels.

10 Label unwinder
The swing lever and the integrated brake make sure that the labels are unwound with constant tension.

11 Rewinder
The liner of a label roll is rewound after the labels have been peeled off. The clamping shafts enable an easy exchange of the roll.

12 Print direction
All Hermes+ label printers with applicators are in left and right orientation available.

All required interfaces

1 RS232C- Interface

2 USB 2.0 Slave interface

3 Ethernet 10/100 Base T-interface with TCP/IP

4 Slot for Wireless LAN-card

5 Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key

6 Slot for memory card CompactFlash Type I

7 Connection for warning light

Indicates the display and the printer status
Green Ready for operation
Yellow Prewarning end of label, end of ribbon
Red Printing or applying error

8 Connection main valve for air pressure:
On / off signal for compressed air supply

9 Connection external E-stop
In connection with a main valve this interface allows to cut-off the compressed air supply in case of emergency

10 Digital I/O interface
25-pin SUB-D socket.
All 24V in- and outputs are optically isolated

Inputs	Outputs
Start printing and applying	Ready to operate
Reprint	Print data available
Label feed	Paper feed on
Delete print job	Prewarning end of ribbon
Pause	Prewarning end of label
Label dispensed	Error end of ribbon
Reset	Error end of label
Stop printing and applying	Label in dispensing position
Print first label	Basic position / upper end position
Rotation 4200	Applying position / lower end position
	Common alarm

Options

Interface Centronics bi-directional acc. IEEE 1284.
Interface RS422/RS485 1.200 up to 230.400 Baud/8 Bit.
The interfaces are connected to the PC.
Connection to the printer via mini USB-connection cable.

Label selection box-I/O-box. Via SPS up to 16 different labels can be loaded from a memory card.
Operation of four in-/outputs via Basic Interpreter.

cab WLAN card 802.11 b/g.

Technical data

			1.1		1.2			1.3	
Label printer			**Hermes+ 2**		**Hermes+ 4**			**Hermes+ 6**	
Print head									
Printing method			Thermal transfer/thermal direct						
Print resolution dpi			300	600	203	300	600	203	300
Print speed up to mm/s			150	100	250	250	100	200	200
Print width up to mm			54.2	57	104	105.6	105.6	168	162.6
Material									
Labels on rolls or reel Hermes+ 2			Paper, synthetics like PET, PE, PP, PVC, PU, acrylate, PI						
Thickness mm/Weight g/m²			0,055–0,35/60–160						
Width labels[1] mm			4–58		10–114			50–174	
Width liner	roll mm		25–62		25–118			54–178	
	reel mm		10 - 62		—			—	
Label height[1] when dispensing mm			4–200		8–250			25–250	
Media roll:	Outside Ø	up to mm	205/305						
	Core Ø mm	roll / adapter	40/50		40/50			—	
		roll	76		76			76	
	Winding		outside or inside						
Ribbon									
Ink			outside or inside						
Roll diameter up to mm			80		80			80	
Core diameter mm			25		25			25	
Ribbon length variable up to m			500		500			500	
Width[2] mm			60		114			165	
Ribbon saver			–		☐			☐	
Internal rewinder									
Total diameter up to mm			155/210						
Core diameter mm			76		76			76	
Dimensions printer									
Height mm	Label roll Ø 205 mm		400						
	Label roll Ø 305 mm		538						
Depth mm	Label roll Ø 205 mm		400						
	Label roll Ø 305 mm		518						
Width mm			200		255			315	
Weight kg			15		16			20	
Label sensor									
See through sensor			for leading edge of the label or punching marks and end of material						
Reflective sensor from the bottom or optional from the top			for printing marks						
Distance from center to shoulder middle wall			2–26		2–47			2–47	
Electronic									
Processor high speed 32 Bit Clock rate MHz			266						
RAM MB			64						
Memory IFFS MB Flash			8						
Slot for memory CompactFlash-card Type I			■						
Slot for Wireless LAN-card			■						
Battery buffer for real-time clock, printout of time and date storage of data with shut-down			■						
Warning signal acoustic signal when error			■						
Interfaces									
Centronics bi-directional acc. IEEE 1284			☐						
RS232 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, TIME, Zeroconf, mDNS, SOAP			■						
RS422, RS485 1.200 up to 230.400 Baud/8 bit			☐						
WLAN card 802.11b/g WEP/WPA PSK (TKIP)			☐						
2x USB Master for external operation panel, keyboard, scanner or service key			■						
Connection warning light			■						
Digital I/O-interface			■						
cab applicator connection			■						
Connection for external emergency stop			■						
Connection compressed air			■						
Operating data									
Power supply			100–240 V ~ 50/60 Hz, PFC						
Power consumption			max. 300 W						
Temperature / Humidity:	Operation:		+5–40°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, UL						

[1] The label size is additionally defined through the type of the applicator.
Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be tested and cleared.

[2] The ribbon should approximate the width of the labels in order to avoid drapery.

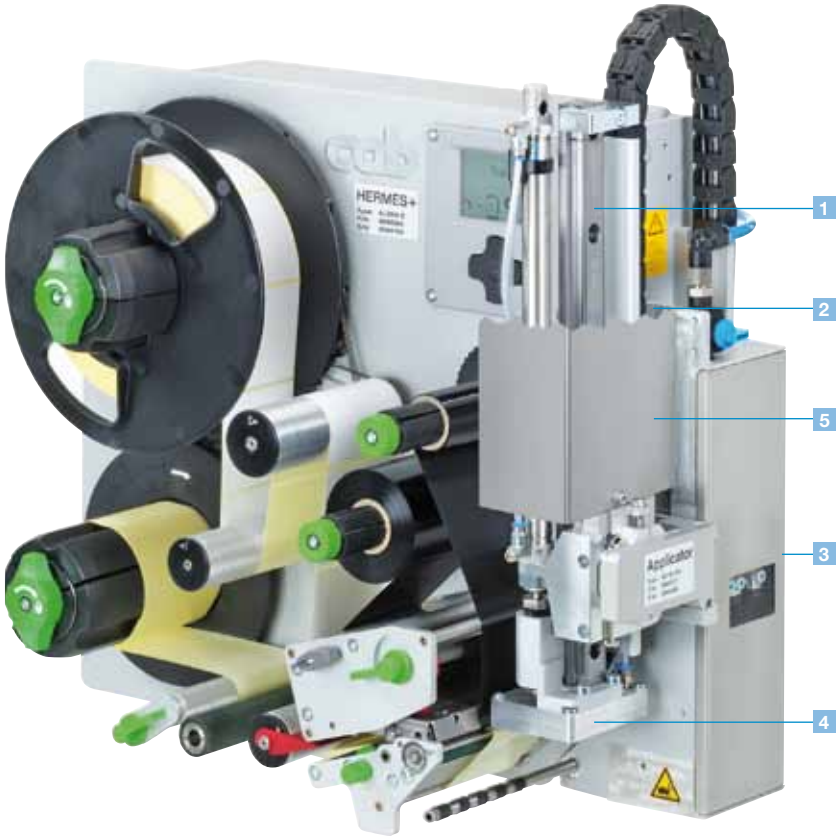
Technical data

■ Standard ☐ Option ○ Authorized distribution by resellers

Operation panel	
Buttons / LED-display	Pause, Feed, Cancel, Menue, Enter, 4 x Cursor
LCD-graphic display	Width 60, Height 40 mm, text 4 lines, about 20 characters per line
Settings	
	Time, date, digital- or analog clock 25 language settings system settings, print parameter, interfaces, security
On the Display	
	Data reception WLAN field intensity Ethernet state Use memory Temperature printhead Access to memory card Clock Date sheet abc debug Input buffer Remaining quantity of ribbon
Monitoring	
Stop of printing:	End of ribbon End of labels Printhead open
Test routines	
System diagnosis	When switched on with testing of printhead
Short status. Status print	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state
Status reports	Extensive status print with information about setting, e.g. print length counter, runtime counter etc. Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc.
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), Optional Thai
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported. Optional Thai and Chinese.
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 and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes		
Linear barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN / UCC 128 EAN / UPC Appendix 2 EAN / UPC Appendix 5 FIM HIBC Interleaved 2 / 5 Ident- and lead code of Deutsche Post AG Codabar 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 truncated, limited, stacked und stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar	
	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 diagnosis/ administration	Printer monitoring Network Manager	■ ☐
Label software	cablabel S3 Light cablabel S3 Pro Codesoft, NiceLabel, Easylabel Bartender, Label Matrix, Labelview	■ ☐ ○☐ ○
Accredited for Windows driver	32/64 bit for Windows XP Windows Vista Windows 7 Windows 8 Server 2003 Server 2008 Server 2008 R2	■
Mac driver	OS X printer driver from version 10.6	■
Linux driver	32/64 Bit from CUPS 1.2	■
Stand-alone-operation		■

Applicators



1 Long operating life
The linear caged ball guide is precise and wear resistant.

2 Variable product heights
The lift cylinder allows labeling in different heights. It is standard available in 200/300/400 mm length. Others dimensions on request.

3 High process reliability
The supporting air jet streaming and the vacuum as well as the cylinder speed are adjustable and monitored via sensors.

4 Real time application
Applicators for small and big labels permit the application of labels with a height of 4–250 mm and a width of 4–174 mm.

5 Protective cover
As a standard, cylinder and guide are protected by a cover. cab offers customized covers for labeling work stations which are adapted to the product fixture.

6 Pivot applicator
Easy and fast access to the printer‘s mechanics for material change or maintenance work.

7 Pressure reducer
Reduces the lateral contact pressure of the stroke cylinder on the product.

Overview applicators and transfer modules

		Applicators	Hermes+ 2	4	6	Transfer modules: Universal pad	Tamp pad	Tamp pad with foam	Tamp pad with label stop	Blow pad	Silicon pad	Spring loaded universal pad	Spring loaded tamp pad	Roll-on pad	Corner pad	Blow pad with height sensor	Dispensing edge	Vacuum belt	Air-jet module
			Order code			11	11	12	61	21	88	31	31	41	51	21	–	–	90
Product marking	5.1	Swing applicator	3214			–	F	F	F	☐	–	–	–	–	–	–	–	–	–
	5.2	Stroke applicator	4114			–	F	F	F	☐	F	–	–	–	–	–	–	–	–
	5.3	Stroke-turn applicator	4214			–	F	F	F	☐	–	–	–	–	–	–	–	–	–
	5.4	Stroke applicator	4414			–	F	F	F	–	–	–	–	–	–	–	–	–	–
	5.5	Swing-stroke applicator	4514			–	–	–	–	☐	–	–	–	–	–	–	–	–	–
	5.6	Flag applicator		4714		–	☐	–	–	–	–	–	–	–	–	–	–	–	–
Package marking	5.7	Front-side applicator		3014	3016	–	☐	–	–	☐	–	–	☐	–	–	–	–	–	–
	5.8	Stroke applicator		4014		☐	F	–	–	☐	–	☐	☐	☐	☐	–	–	–	–
					4016	–	☐	–	–	–	–	–	☐	☐	–	–	–	–	–
	5.9	Stroke-blow applicator		4614		–	–	–	–	–	–	–	–	–	–	☐	–	–	–
	5.10	Demand module		5114		–	–	–	–	–	–	–	–	–	–	–	☐	–	–
	5.11	Vacuum-Belt applicator		5314	5316	–	–	–	–	–	–	–	–	–	–	–	–	☐	–
	5.12	Air-jet box		6014		–	–	–	–	–	–	–	–	–	–	–	–	–	☐

Order example applicator 4414L-200

Type		**441**
for label printer	Hermes+2	**2**
	Hermes+4	**4**
	Hermes+6	**6**
Label direction	to the left	**L**
	to the right	**R**
Cylinder stroke		**200**
		300
		400

Order example transfer modules 4014L-1110 W x H

Type		**401**
For **label printer**	Hermes+2	**4**
	Hermes+4	**4**
	Hermes+6	**6**
Label direction	to the left	**L**
	to the right	**R**
Transfer modules		
Universal pad		**1**
Tamp pad		**1**
Blow pad		**2**
Spring loaded universal pad		**3**
Spring loaded pad		**3**
Roll-on pad		**4**
Corner pad		**5**
Tamp pad with label stop		**6**
Silicon pad		**8**
Air-jet module		**9**
Suction area		
Bare aluminum		**0**
Slide foil		**1**
Foam with slide foil		**2**
Foam		**5**
Silicon		**8**
Immersion depth F	pad mm	**10**
Label size		**W x H**

Product marking

Swing applicator 3214

5.1

For precise real-time labeling of very small to medium sized labels. The labels are applied primarily sideways.

The pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

A rotary cylinder turns the label into the horizontal labeling direction.

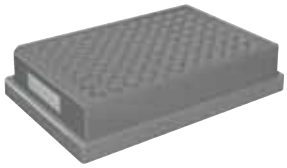
With a linear guide the label is positioned onto the product. The rotating angle and the linear hub are adjustable.

Tamp pad
With the tamp pad labels are applied onto even and/or immersed surfaces.

Tamp pad with foam
The foam serves as acoustic isolation for hard surfaces and is beneficial for rough structures or minor unevenness.

Tamp pad with label stop
For small labels the spring loaded stop assures a precise positioning onto the product.

Blow pad
For sensitive surfaces or products in motion. The labels are applied via air jet onto the product. The distance of 5-10mm to the product surface is set with a stop at the stroke cylinder.



Technical data		Tamp pad	Tamp pad with foam	Tamp pad with label stop	Blow pad
Type		3214 L/R 11 F	3214 L/R 12 F	3214 L/R 61 F	3214 L/R 2100
Label width mm	Hermes+2	4–58	10–58	10–58	10–58
	Hermes+4	10–114	10–114	10–114	10–80
Label height	mm	5–80	10–80	5–80	10–80
Product	fixed during labeling	■	■	■	■
	in motion during labeling	–	–	–	■
Labeling onto the product	sideways	■	■	■	■
Product height	fix	■	■	■	■
Distance of product to dispensing edge	mm	250–280	250–280	250–280	250–280
Horizontal short stroke cylinder	mm	5 - 30	5 - 30	5 - 30	5 - 30
Swing angle		45°–95°	45°–95°	45°–95°	45°–95°
Immersion depth pad F	up to mm	30	30	30	–
Air pressure	bar	4,5	4,5	4,5	4,5
Cycle time[1)]	about frequency/min.	25	25	25	25

[1)] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s

Product marking

Stroke applicator 4114

5.2

For precise real-time labeling of very small to medium sized labels. The labels can be applied from all sides.

The pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

A short stroke cylinder guides the label into labeling direction.

With the stroke cylinder the label is positioned onto the product. The length of the stroke cylinder defines the maximum distance of the dispensing edge to the product.

Tamp pad
With the tamp pad labels are applied onto even and/or immersed surfaces.

Tamp pad with foam
The foam serves as acoustic isolation for hard surfaces and is beneficial for rough structures or minor unevenness.

Tamp pad with label stop
For small labels the spring loaded stop assures a precise positioning onto the product.

Blow pad
For sensitive surfaces or products in motion. The labels are applied via air jet onto the product. The distance of 5-10mm to the product surface is set with a stop at the stroke cylinder.

Technical data	Tamp pad	Tamp pad with foam	Tamp pad with label stop	Blow pad
Type	4114 L/R 11 F	4114 L/R 12 F	4114 L/R 61 F	4114 L/R 2100
Label width mm Hermes+2	4–58	10–58	10–58	10-58
Hermes+4	10–114	10–114	10–114	10-114
Label height mm	4–80	10–80	4–80	10-80
Product fixed during labeling	■	■	■	■
in motion during labeling	–	–	–	■
Labeling onto the product from the top	■	■	■	■
from below	■	■	■	■
sideways	■	■	■	■
Product height fix	–	–	–	■
variable	■	■	■	–
Horizontal short stroke cylinder mm	10	10	10	10
Product distance to lower edge at cylinder stroke 200 up to mm	135	135	135	140
300 up to mm	235	235	235	240
400 up to mm	335	335	335	340
Immersion depth pad F up to mm[2]	100	100	100	–
Air pressure bar	4,5	4,5	4,5	4,5
Cycle time[1] about frequency/min.	30	30	30	30

[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] Immersion depth at applicator > 25 mm the cover of the Hermes+ has to be modified.

Product marking

Stroke applicator 4114

5.2

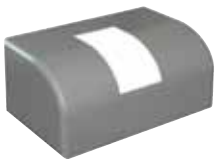
Silicon pad
The silicon pad applies labels precisely on cylindrical devices or curved surfaces. The use of a curved pad is recommended to avoid blistering on very smooth and even surfaces. Cylindrical devices can be wrapped up to 200°.

For precise real-time labeling of very small to medium sized labels. The labels can be applied from all sides.

The pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

A short stroke cylinder guides the label into labeling direction.

With the stroke cylinder the label is positioned onto the product. The length of the stroke cylinder defines the maximum distance of the dispensing edge to the product.



Technical data	Type	Silicon pad 4114 L/R 88 F
Label width mm	Hermes+2	10–58
	Hermes+4	10–114
Label height	mm	8–80
Product	fixed during labeling	■
	in motion during labeling	–
Labeling onto the product	from the top	■
	from below	■
	sideways	■
Product height	variable	■
Horizontal short stroke cylinder	mm	10
Product distance to lower edge at cylinder stroke 200	up to mm	135
300	up to mm	235
400	up to mm	335
Immersion depth pad F	up to mm[2]	100
Air pressure	bar	4,5
Cycle time[1]	about frequency/min.	30

[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] Immersion depth at applicator > 25 mm the cover of the Hermes+ has to be modified.

Product marking

Stroke-turn applicator 4214

5.3

For precise real-time labeling of very small to medium sized labels for difficult mounting positions. The labels can be applied from all sides.

The pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

A rotary cylinder turns the label vertically up to 180° into labeling position.

With the stroke cylinder the label is positioned onto the product. The length of the stroke cylinder defines the maximum distance of the dispensing edge to the product.

Tamp pad
With the tamp pad labels are applied onto even and/or immersed surfaces.

Tamp pad with foam
The foam serves as acoustic isolation for hard surfaces and is beneficial for rough structures or minor unevenness.

Tamp pad with label stop
For small labels the spring loaded stop assures a precise positioning onto the product.

Blow pad
For sensitive surfaces or products in motion. The labels are applied via air jet onto the product. The distance of 5–10mm to the product surface is set with a stop at the stroke cylinder.

Technical data	Tamp pad	Tamp pad with foam	Tamp pad with label stop	Blow pad
Type	4214 L/R 11 F	4214 L/R 12 F	4212 L/R 61 F	4214 L/R 2100
Label width mm Hermes+2	4–58	10–58	10–58	10–58
Hermes+4	10–80	10–80	10–80	10–80
Label height mm	4–40	4–40	4–40	10–40
Product fixed during labeling	■	■	■	■
in motion during labeling	–	–	–	■
Labeling onto the product from the top	■	■	■	■
from below	■	■	■	■
sideways	■	■	■	■
Product height fix	–	–	–	■
variable	■	■	■	–
Horizontal swing angle 90°, 180°, 0°	■	■	■	■
Product distance to lower edge at cylinder stroke 200 up to mm	135	135	135	140
300 up to mm	235	235	235	240
400 up to mm	335	335	335	340
Immersion depth pad F up to mm[2]	65	65	65	–
Air pressure bar	4,5	4,5	4,5	4,5
Cycle time[1] about frequency/min.	25	25	25	25

[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] Immersion depth at applicator > 25 mm the cover of the Hermes+ has to be modified.

Product marking

Stroke applicator 4414

5.4

For precise real-time labeling of very small to medium sized labels. The precise position of the label is adjustable along the Y- and X-axes.

The pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

Two short stroke cylinders guide the label into labeling direction.

Tamp pad
With the tamp pad labels are applied onto even and/or immersed surfaces.

Tamp pad with foam
The foam serves as acoustic isolation for hard surfaces and is beneficial for rough structures or minor unevenness.

Tamp pad with label stop
For small labels the spring loaded stop assures a precise positioning onto the product.

Technical data	Tamp pad	Tamp pad with foam	Tamp pad with label stop
Type	4414 L/R 11 F	4414 L/R 12 F	4414 L/R 61 F
Label width mm Hermes+2	4–58	10–58	10–58
Hermes+4	10–114	10–114	10–114
Label height mm	4–80	10–80	4–80
Product fixed during labeling	■	■	■
Labeling onto the product from the top	■	■	■
from below	■	■	■
sideways	■	■	■
Product height variable	■	■	■
Horizontal short stroke cylinder x-direction	3 - 7	3 - 7	3 - 7
y-direction	11 - 15	11 - 15	11 - 15
Product distance to lower edge at cylinder stroke 200 up to mm	135	135	135
300 up to mm	235	235	235
400 up to mm	335	335	335
Immersion depth pad F up to mm[2)]	90	90	90
Air pressure bar	4,5	4,5	4,5
Cycle time[1)] about frequency/min.	25	25	25

[1)] Dertermined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2)] Immersion depth at applicator > 25 mm the cover of the Hermes+ has to be modified.

Product marking

Swing-stroke applicator 4514

5.5

For precise real-time inline labeling of profiles and pipes. The precise position of the label is adjusted with a stop at the stroke cylinder. The labels can be applied from all sides.

The blow pad is positioned above the dispensing edge.

The label is transferred to the pad during the printing process.

A turn cylinder pivotes the label into labeling level. The stroke cylinder guides the label into labeling position, it is applied onto the product via air jet.

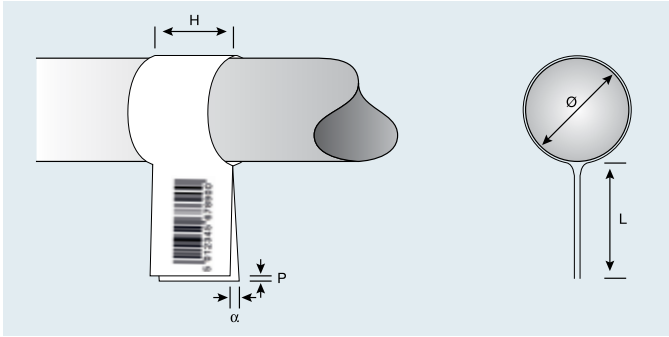
Technical data	Type	Blow pad 4514 L/R 2100
Label width mm	Hermes+2	10–58
	Hermes+4	10–80
Label height	mm	10–60
Product	fixed during labeling	■
Labeling onto the product	from the top	■
	from below	■
	sideways	■
Product height	fix	■
Vertical swing angle		120°
Distance lower edge device to upper edge label at cylinder stroke 200	up to mm	150[2]
300	up to mm	250[2]
400	up to mm	350[2]
Air pressure	bar	4,5
Cycle time[1]	about frequency/min.	25

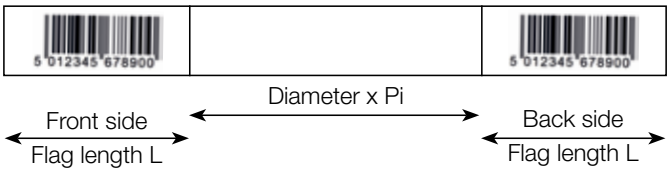
[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] dependend on label height

Product marking

Flag applicator 4714

5.6





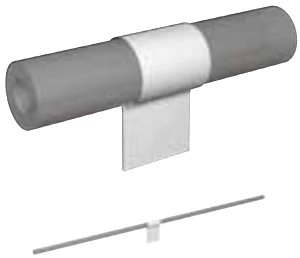
For precise real-time labeling on round materials such as cables, tubes, pipes etc. The labels can be applied from all sides.

The tamp pad is positioned above the dispensing edge. The label is transferred to the pad during the printing process.

A stroke cylinder guides the label into labeling direction.

With the additional cylinder the label is guided along the round material with a cam control. After that the label is first precisely glued together at its ends and not until then pressed onto the round material.

The length of the stroke cylinder defines the maximum distance of the dispensing edge to the product.



Technical data	Type	Tamp pad 4714 L/R 1100
Label width mm	Hermes+4	100–114 (on request 60–100)
Label height	mm	10–50
Diameter	mm	3–20
Product	fixed during labeling	■
Labeling onto the product	from the top	■
	from below	■
	sideways	■
Product height	fix	■
Product distance to lower edge at cylinder stroke 200 min. 70 mm	up to mm	160
300	up to mm	260
400	up to mm	360
Immersion depth tongs H	mm	55
Offset P mm		0,5–1
Helix angle[2] a (mm/flag length L)		0,2/10
Air pressure	bar	4,5
Cycle time[1]	about frequency/min.	15

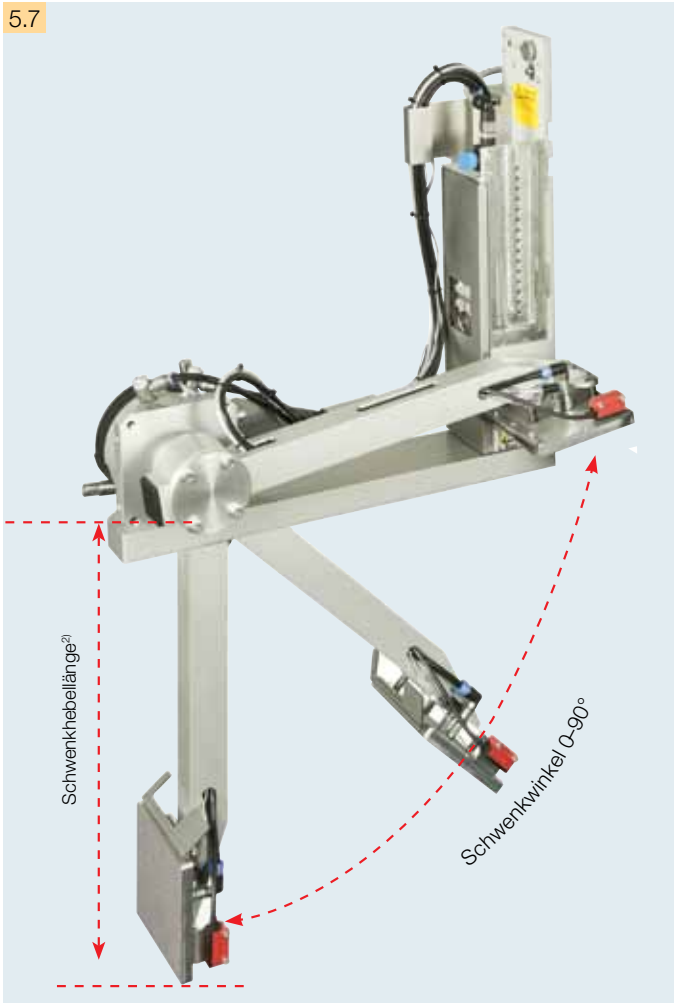
[1] Determined at 200 mm stroke / print speed 100 mm/s

[2] Flag length L = (label width – 3,14 x D)/2; Example: label width = 100 mm, D = 16 mm ⇨ flag length L = 25 mm.

Package marking

Front-side applicator 3014 / 3016

5.7



Tamp pad
It presses the labels onto the surface of the packaging.

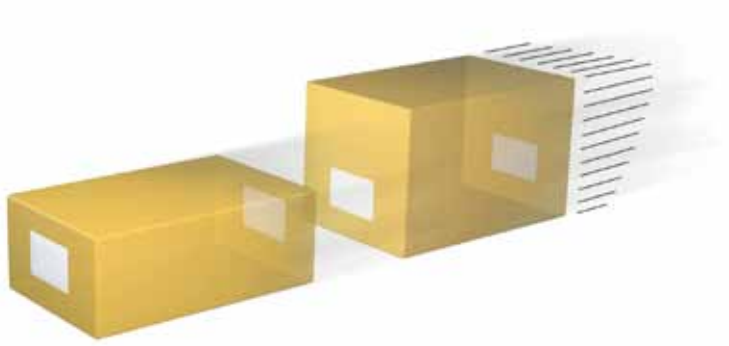
Spring-loaded tamp pad
The spring-loaded suction plate enables the labeling on inclined surfaces from 5–15°. The vertical deviation can be up to 10mm within the label area.

Blow pad
Labels are applied onto sensitive surfaces via air jet.

For real-time labeling of products in throughput. The labels are applied primarily on the front or on the back of the product. Labeling from above or sideways is possible.

The pad is positioned in front of the dispensing edge. The label is transferred to the pad during the printing process.

The label is applied with the rotary cylinder. The sensor detects the height of the packaging and returns the pad into its initial position after labeling.



Technical data	Type	Tamp pad	Spring loaded tamp pad	Blow pad
		3014/16 L/R 1100	3014/16 L/R 3100	3014 L/R 2100
Label width mm	Hermes+4	25–114	80–114	25-114
	Hermes+6	25–174	80–174	–
Label height	mm	25–250	80–250	25-100
Product	fixed during labeling	■	■	■
	in motion during labeling	■	■	■
Labelling onto the product	from the top	■	■	■
	sideways	■	■	■
	from the front	■	■	■
	from the back	■	■	■
Product height	variable	■	■	■
Length of swing lever[2]	mm	200/300/400	200/300/400	200/300/400
Swing angle		0–90°	0–90°	0-90°
Air pressure	bar	4,5	4,5	4,5
Cycle time[1]	about frequency/min.	15	15	15

[1] Determined at 200 mm length of swing lever / smallest label height / print speed 100 mm/s
[2] Length of swing lever: achievable labeling position of 90° (bottom edge of label) below the Hermes ground

Package marking

Stroke applicator 4014 / 4016

5.8

Tamp pad
With the tamp pad labels are applied onto even and/or immersed surfaces.

Universal pad
It presses the labels onto even surfaces. The bore holes for label suction are already in place, distance 5mm and covered by slide foil. The holes are opened according to the label size with a punching tool. Two slide foils are included in delivery.

Spring-loaded tamp pad
The spring-loaded suction plate enables the labeling on inclined surfaces from 5-15°. The vertical deviation can be up to 10mm within the label area.

Spring-loaded universal pad
The spring-loaded suction plate enables the labeling on inclined surfaces from 5-15°. The vertical deviation can be up to 10mm within the label area. The bore holes for label suction are already in place, distance 5mm and covered by slide foil.

For real-time inline labeling on packaging or products. According to the pad type the product is either in motion or in static condition. The labels can be applied from all sides.

The pad is positioned in front of the dispensing edge. The label is transferred to the pad during the printing process.

The label is applied with the rotary cylinder. The sensor detects the labeling position and returns the pad into its initial position after labeling.

Technical data	Tamp pad	Universal pad	Spring-loaded tamp pad	Spring loaded universal pad
Type	4014/16 L/R 11 F	4014 L/R 1100	4014/16 L/R 31 F	4014 L/R 3100
Label width mm Hermes+4	20–114	75 / 90	80–114	116 / 116
Hermes+6	50–174	–	80–174	–
Label height mm	20–210	60 / 90	80–210	102 / 152
Product fixed during labeling	■	■	■	■
in motion during labeling	–	–	–	–
Labeling onto the product from the top	■	■	■	■
from below	■	■	■	■
sideways	■	■	■	■
Product height variable	■	■	■	■
Product distance to lower edge at cylinder stroke 200 up to mm	135	135	130	130
300 up to mm	235	235	230	230
400 up to mm	335	335	330	330
Immersion depth pad F up to mm[2]	120	–	100	–
Air pressure bar	4,5	4,5	4,5	4,5
Cycle time[1] about frequency/min.	30	30	25	25

[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] Immersion depth at applicator > 25 mm the cover of the Hermes+ has to be modified.
[3] depending on label height and division

Package marking

Stroke applicator 4014 / 4016

5.8

Blow pad
With the blow pad labels are blown onto even and/or immersed surfaces.

Roll-on pad
On plain areas labels are rolled onto the products during their transport.

Corner pad
With this pad labels are applied on two adjacent product sides. The tamp pad labels the first label half on the upper side. After that the second label half is rolled on.

For real-time labeling on packaging or products. According to the pad type the product is either in motion or in static condition. The labels can be applied from all sides.

The pad is positioned in front of the dispensing edge. The label is transferred to the pad during the printing process.

The label is applied with the rotary cylinder. The sensor detects the labeling position and returns the pad into its initial position after labeling.

The length of the stroke cylinder defines the max. distance between dispensing edge and product.

Technical data	Type	Blow pad 4014 L/R 2100	Roll-on pad 4014/16 L/R 4100	Corner pad 4014 L/R 5100
Label width mm	Hermes+4	20–114	25–114	20–114
	Hermes+6	–	50–174	–
Label height	mm	20 - 100	80–250	60-210
Product	fixed during labeling	■	–	■
	in motion during labeling	■	■	–
Labeling onto the product	from the top	■	■	■
	from below	■	■	–
	sideways	■	■	–
Product height	fix	■	–	–
	variable	–	■	■
Product distance to lower edge at cylinder stroke 200	up to mm	140	160	100[2]
300	up to mm	240	260	200[2]
400	up to mm	340	360	300[2]
Air pressure	bar	4,5	4,5	4,5
Cycle time[1]	about frequency/min.	25	20	20

[1] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s
[2] depending on label height and division

Package marking

Stroke-blow applicator 4614

5.9

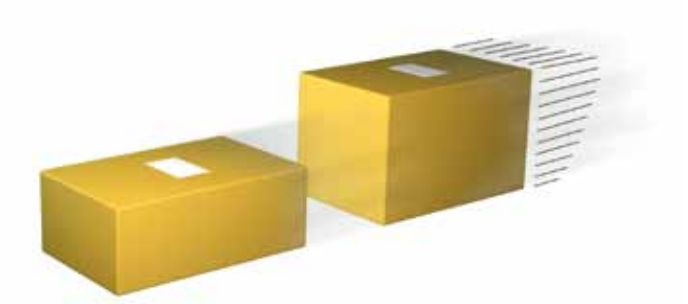
For real-time inline labeling of packaging of different heights.

The labels can be applied from all sides.

The blow pad is positioned in front of the dispensing edge. The label is transferred to the pad during the printing process.

With the stroke cylinder the label is positioned – controlled by a sensor - approx. 10 mm above the product and blown on via air jet.

The length of the stroke cylinder defines the maximum height differences of the packaging.



Technical data		Type	Blow pad with height sensor 4614 L/R 2100
Label width mm		Hermes+4	20–114
		Hermes+6	on request
Label height		mm	20–100
Product		fixed during labeling	■
		in motion during labeling	■
Labeling onto the product		from the top	■
		from below	■
		sideways	■
Product height		fix	■
		variable	■
Product distance to lower edge at cylinder stroke	200	up to mm	140
	300	up to mm	240
	400	up to mm	340
Air pressure		bar	4,5
Cycle time[1)]		about frequency/min.	30

[1)] Determined at 100 mm stroke below device / smallest label height / print speed 100 mm/s

Package marking

Demand module 5114

5.10

For serial inline labeling of packaging.

With the variable roller the labeling position is adjusted at the dispensing tongue.

The labels can be applied from all sides.

Printing and labeling is done simultaneously.

The speed of the conveyor belt has to be adjusted to the print speed.

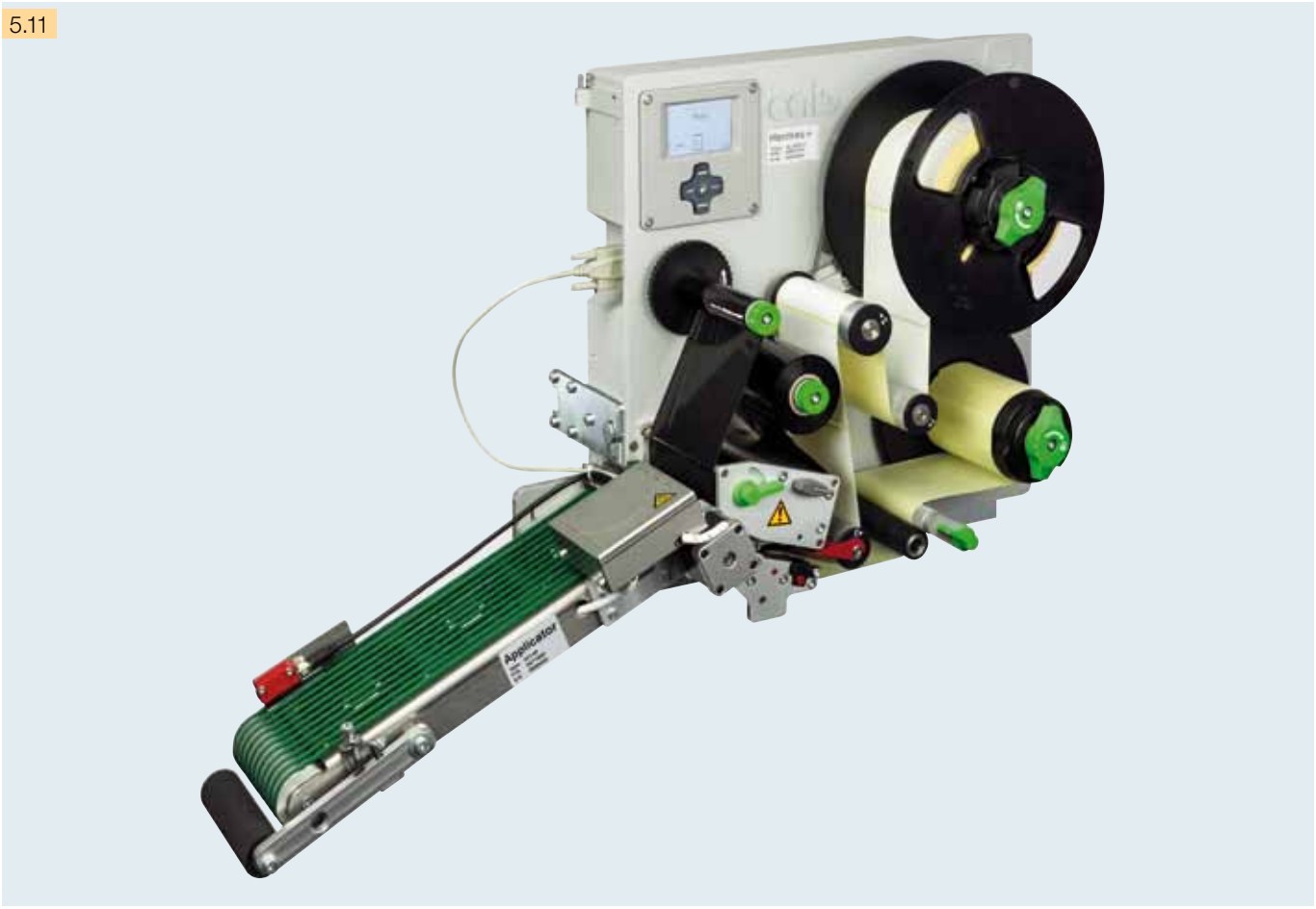
Technical data		Demand module 5114
Label width mm	Hermes+4	25–114
Label height	mm	25–250
Product	in motion during labeling	■
Labeling onto the product	from the top	■
	from below	■
	sideways	■
Product height	fix	■
Product distance to lower edge	mm	80
Product speed		Has to correspond to the print speed!
Cycle time[1)]	about frequency/min.	120

[1)] depending on label height

Package marking

Vacuum-belt applicator 5314/5316

5.11



For real-time inline labeling of packaging.

The imprinted label is moved into labeling position with the vacuum belt and applied to the packaging by an external signal.

The labels can be applied from all sides.

Printing and labeling is done simultaneously.

The product speed is not related to the print speed.

Technical data		Vacuum-belt applicator 5314-2	Vacuum-belt applicator 5316-2	Vacuum-belt applicator 5314-3	Vacuum-belt applicator 5316-3
Label width mm	Hermes+4	20 – 114	–	20 – 114	–
	Hermes+6	–	50 – 174	–	50 – 174
Label height	mm	70 – 240		70 – 320	
Product	in motion during labeling	■		■	
Labeling onto the product	from the top	■		■	
	from below	■		■	
	sideways	■		■	
Product height	fix	■		■	
Speed vacuum belt[2]	mm/s max.	250		250	
Length vacuum belt	mm	295		390	
Cycle time[1]	about frequency/min.	50		35	

Package marking

Air-jet-box 6014

5.12

For fast real-time inline labeling of packaging or products. The labels are applied with an air jet, primarily from the top.

The holes for sucking and blowing of the labels are already predrilled in the blow module. The labels are sucked with a fan and blown off with a nozzle. The outer area around the label is covered by a foil.

The maximum distance to the product depends on the label size and is up to 100 mm.

Technical data		Air-jet module 6014 L/R 9000
Label width[2] mm	Hermes+4	50–114
Label height[2]	mm	50–150
Product	fixed during labeling	■
	in motion during labeling	■
Labelling onto the product	from the top	■
	sideways	■
Product height	variable	■
Product distance to lower edge	mm	10–100
Air pressure	bar	4,5
Cycle time[1]	about frequency/min.	60

[1] for H = 150 mm without backfeed and 250mm/s print speed. Higher frequency for smaller labels.
[2] Labels smaller than 50mm: only after testing!

Overview accessories

	Extras Hermes+	Hermes+2	Hermes+4	Hermes+6
2.1	Cover (only for label rolls up to 205 mm Ø)	□	□	□
2.2	External operation panel	□	□	□
2.3	Standard keyboard USB	□	□	□
2.4	Memory card	□	□	□
2.5	Photo sensor	□	□	□
2.6	Interface connector	□	□	□
2.7	Warning light	□	□	□
2.8	Circular connector 3-pin/4-pin M8	□	□	□
	Interfaces			
3.1	Centronics bi-directional acc. IEEE 1284	□	□	□
3.2	RS232 C 1.200 up to 230.400 baud/8 bit	□	□	□
3.3	Label selection – I/O-box	□	□	□
3.4	WLAN card 802.11b/g WEP/WPA PSK (TKIP)	□	□	□
	Connecting cable			
4.1	Connecting cable RS232 C, 9/9-pin, length 3 m	□	□	□
4.2	Patch cable CAT5e, length 3 m grey	□	□	□

	Extras applicators Type	30	32	40	41	42	44	45	46	47	60
5.13	Blow tube cpl.	■	■	■	■	■	■	■	■	■	■
5.14	Air pressure regulation unit	■	■	■	■	■	■	■	■	■	■
5.15	Air pressure regulation unit with main valve	■	■	■	■	■	■	■	■	■	■
5.16	Air pressure regulation unit with additional shutoff valve	■	■	■	■	■	■	■	■	■	■
5.17	Pressure relief	—	■	■	■	■	■	—	—	■	—

	Mounting aid	Hermes+2	Hermes+4	Hermes+6
6.1	Adapter plate	□	□	□
6.2	Profile 40 / 80 / 120 mm	□	□	□
6.3	Base plate 500 x 255	□	□	—
6.4	Mounting plate	□	□	□
6.5	Bracket	□	□	□
6.6	Clamped joint	□	□	□
6.7	Flanged joint	□	□	□
6.8	Stand 1601	□	□	□
6.9	Stand 1602	□	□	□
	Software			
7.1	J-Script direct programming	■	■	■
7.2	Replace files and integration in SAP R/3	■	■	■
7.3	abc - Basic Compiler	■	■	■
7.4	Printer monitoring with Intra- and Internet	■	■	■
7.5	Database Connector	□	□	□
7.6	Label software cablabel S3 Light	■	■	■
	Label software cablabel S3 Pro	□	□	□
	Additional label software	□	□	□
7.7	Administration Network Manager	□	□	□
7.8	Printer driver Windows	■	■	■
7.9	Printer driver Apple-MAC/Linux	■	■	■
7.10	Programmer‘s guide	■	■	■

Accessories

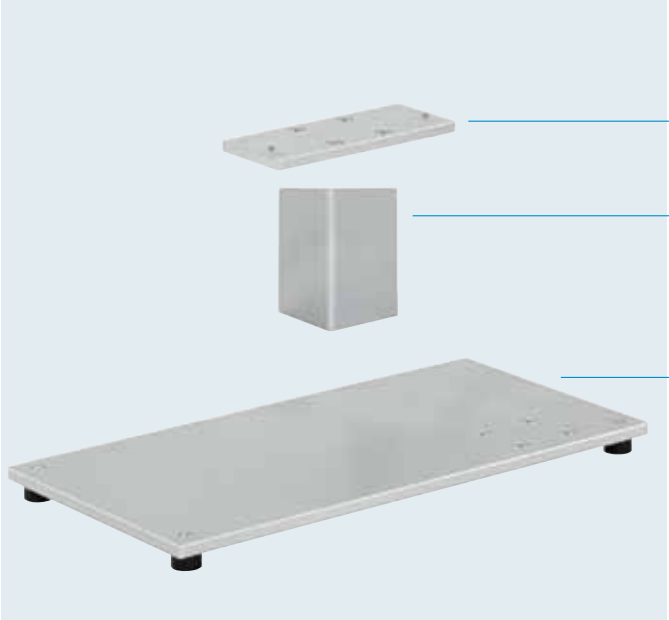
Extras Hermes+	Product
2.1 	**Cover** The cover protects the Hermes+ against soiling and contact. If the immersion depth of the applicator exceeds 25mm the cover has to be modified. The cover is accredited for vertical installation position.
2.2 	**External operation panel** If the operation panel is not accessible after installation of the printer into a production plant it is possible to attach an external operation panel. Additional slot for CF Card Type 1 and host interface.
2.3 	**Standard keyboard USB** Connection: USB, number of keys: 115
2.4 	**Memory card** CompactFlash Typ I. Recording of label formats, fonts, texts or graphics either on the printer or on the PC, read- and rewriteable.
2.5 	**Product sensor** For automatic printing and applying after detection of a product, e.g. on a conveyor belt.
2.6 	**Sub-D plug** Connection of the control signals to the IO-interface with screw clamps.
2.7 	**Warning light** Indicates the display and the printer status. Red: Printing or applying failure Yellow: Prewarning end of label, end of ribbon Green: Ready for operation The signal light is assembled directly to the printer, the bracket or somewhere in the surrounding area. Length of connection cable 1 m.
2.8 	**Circular connector** 3-pin M8 / 4-poin M8

Interfaces	Product
3.1 	**Interface Centronics** bi-directional acc. IEEE 1284
3.2 	**Interface RS422/RS485** 1.200 up to 230.400 baud/8 bit
3.3 	**Label selection – I/O-Box** Up to 16 different labels can be loaded from the memory card from a higher-level control system, e.g. SPS
3.4 	**WLAN card 802.11 b/g**
Connecting cable	**Product**
4.1 	**Connecting cable RS232 C** 9/9-pin, length 3 m
4.2 	**Patch cable CAT5e**, 3 m, grey

Extras Applicators	Product
5.13 	**Blow tube**
5.14 	**Air pressure regulation unit** It can be assembled to the Hermes+ or its brackets. Pre-adjustment to 4,5 bar by using a mounting angle.
5.15 	**Air pressure regulation unit** with additional cut-in valve. In case of integration of the print & apply system into a production line the air-pressure can be turned on or off externally. Pre-adjustment to 4,5 bar. Essential in combination with E-Stop switch.
5.16	**Air pressure regulation unit** with additional shutoff valve for complete ventilation of the hose assemblies after the air pressure regulation unit.
5.17	**Pressure relief** valve to reduce tamp force

Accessories - Mounting aid

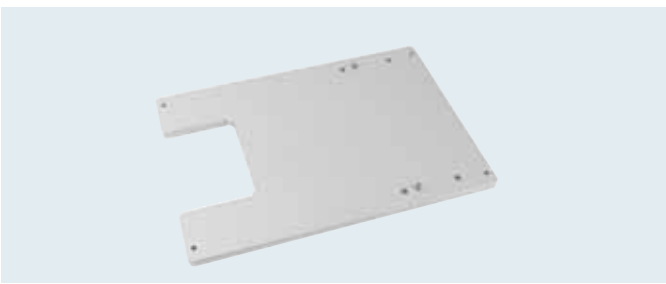
Mounting foot
For desktop installation or integration into production lines, mountable in left or right version. Design and size of the base plate are manufactured on demand.



1 **Adapter plate**
The adapter plate is mounted to the printer.

2 **Profile**
Standard lengths: 40, 80 and 120 mm. The aluminum square profile can be customized in length according to the demand. More lengths on request.

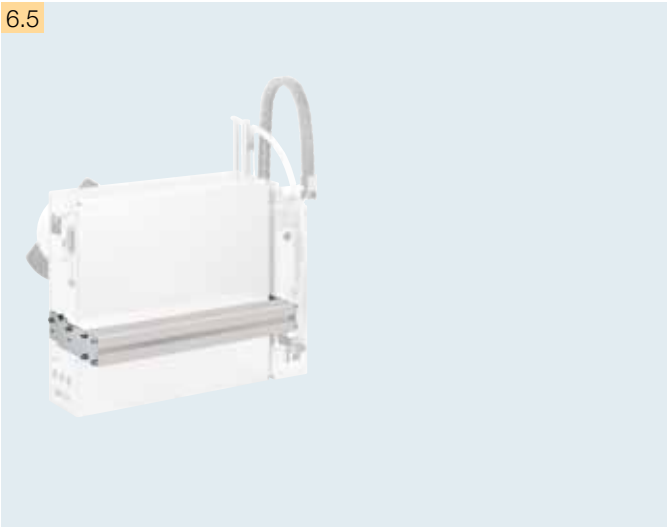
3 **Base plate**
For fastening the base frame
Standard size: 500 x 255 mm.



Mounting plate
With the mounting plate the printer is mounted directly to the production line.

Accessories - Mounting aid

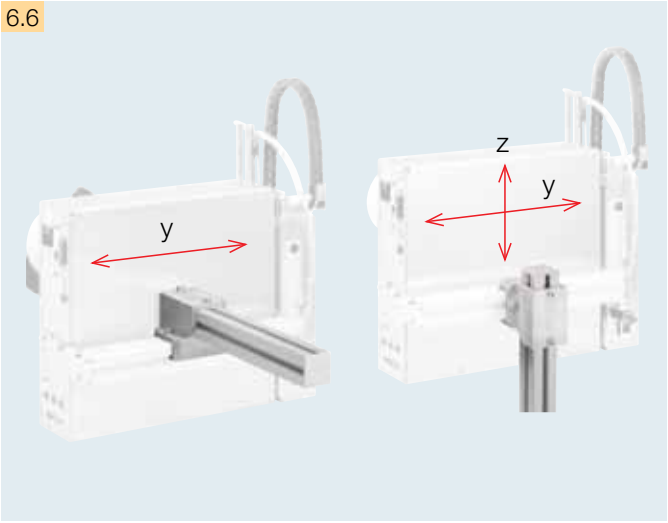
6.5



Bracket

The Hermes+ is mounted to the stand with the bracket.

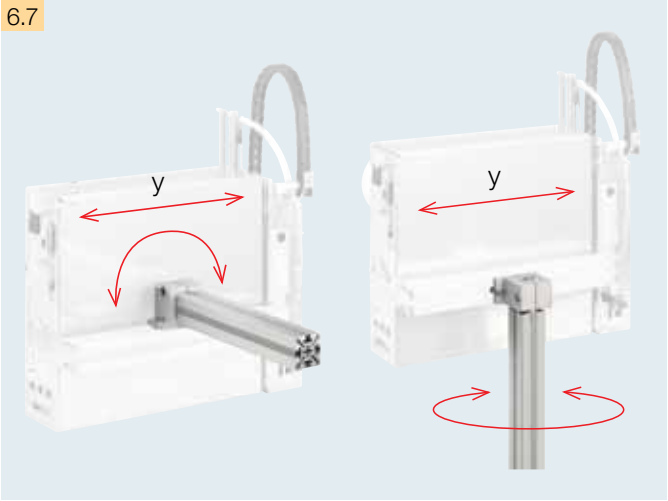
6.6



Clamped joint

The clamped joint permits the horizontal and vertical displacement, depending on the installation.

6.7



Flanged joint

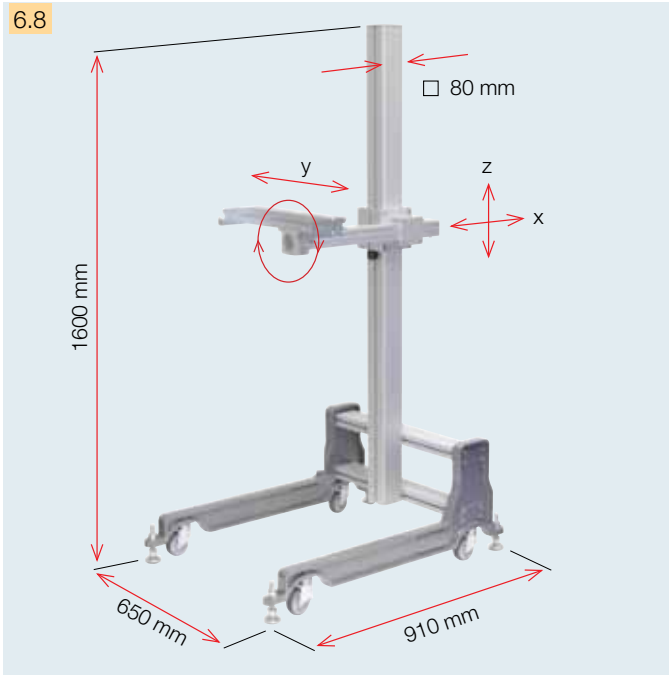
The flanged joint permits the rotation and the horizontal displacement of the labeling system.

Use of the aluminum profile:

Profile cross-section: 50 x 50 mm
Supplier profile: Rose+Krieger
Part No.: 4.08.5000

Accessories floor stand

6.8



For the mounting of any labeling systems of the Hermes+ series into a production line. Due to the various adjusting possibilities the Hermes+ can be positioned in 3 axes to the labeling product. Pivoting also possible.

Floor stand 1601 Hermes+
Preferred application:
Operation of the Hermes+ in different lines. The floor stand is mobile and can be adjusted and locked at the operation site with the adjustment legs.

Technical data	Floor stand 1601 Hermes+
Base frame	Guide rollers and adjustment legs
Adjustment of height Adjustment of depth	Screw clamping Screw clamping
Load max. kg at a horizontal extension of 500 mm	50
Weight kg	36
Max. labeling height about mm	1400

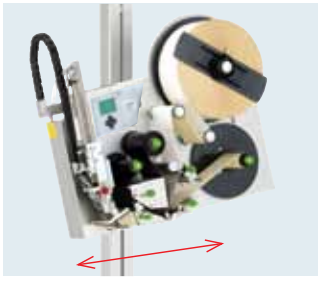
6.9

Floor stand 1602 Hermes+
Preferred application:
Frequent adjustment of the labeling position in height and depth. Due to the rack regulation system the Hermes+ can be positioned in X-and Y-axis to the labeling product via handwheels.

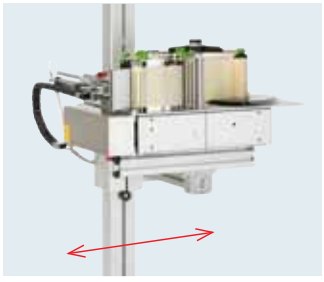
Technical data	Floor stand 1602 Hermes+
Base frame	Adjustment leg
Adjustment of height Adjustment of depth	Gear rack / crank handle Gear rack / hand wheel
Load max. kg at a horizontal extension of 500 mm	50
Weight kg	38
Max. labeling height about mm	1400

Examples printer installation

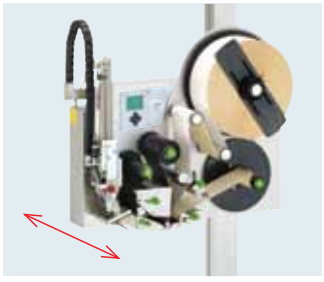
Labeling in transport direction
top down



laterally



Labeling diagonally to transport direction
top down



laterally

Software features of the label printer

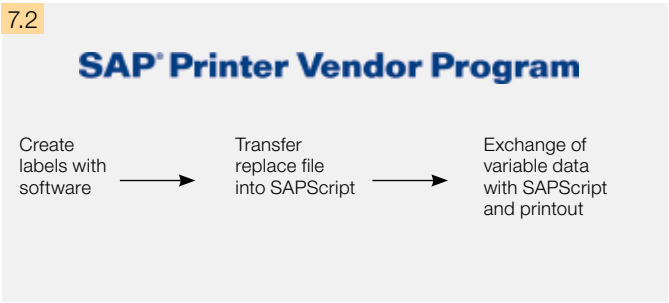
7.1

```
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 weight 0,3 mm
A 1                                        Number of labels (in this example 1)
```

Direct programming with JScript

Every cab printer can be directly coded with the simple programming language JScript. cablabel® S3 supports this by import/export functions of native JScript files. The designer user interface of cablabel® S3 and the integrated JScript editor are aligned in real time.

7.2



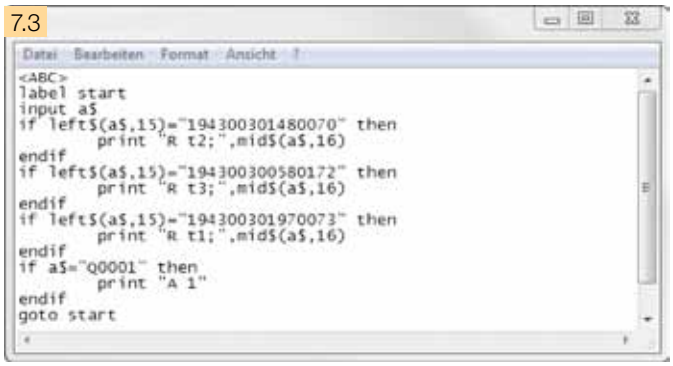
Replace files and integration in SAP R/3*

In cooperation with SAP, cab developed the replace method in order to control the cab printers with SAPScript from SAP R/3. As a Silver Level partner in SAP's Printer Vendor Program, cab has access to the SAP development area for optimum printer support in SAP environments.

With the replace method the host computer only sends the data which has to be changed in JScript. cablabel® S3 provides the necessary replace files in combination with the label layout in of software.

** SAP and R/3 are registered trademarks of SAP AG.*

7.3

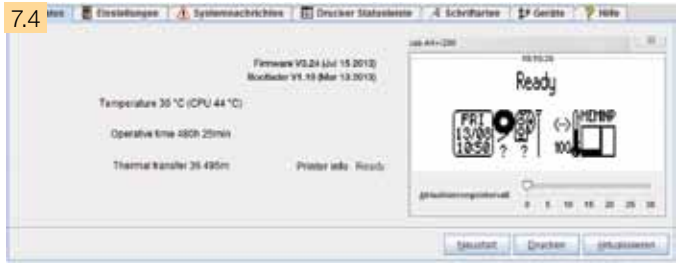


abc BASIC Compiler

As an integrated element of the firmware, the Basic Compiler enables the printer to process data via BASIC programming before it is sent for print editing. That way, you replace external printer languages or integrate data from other systems, e.g. balance or a PLC.

With cablabel® S3 you integrate the required program code easily when creating the label.

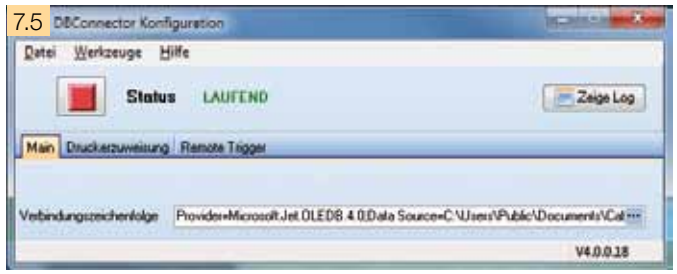
7.4



Printer monitoring with Intranet and Internet

Using standard programs such as the web browser or FTP clients, the integrated HTTP and FTP server enables print monitoring, configuration, firmware updates and memory card administration. Status, warning and error messages are sent to administrators or users as e-mails or SNMP datagrams via SNMP and SMTP clients. A time server is used to synchronize time and date.

7.5



Database Connector

This program allows the printer with an additional network connection to interrogate directly a central ODBC-/ OLEDB-capable database and to print the data in the label. Simultaneously the printer may write back data to the database while printing.
By integration of the Database Connector in cablabel® S3 you establish conveniently the data base connections while creating the label. Please consider that the activation of this function has to be ordered separately for the printer. (Delivery program 7.5).

Software tools – Label software

7.6

cablabel® S3 is available for the following operating systems in 32- and 64-bit version:

Windows XP Professional SP3
Windows Server 2003 SP2
Windows Vista SP2
Windows 7 SP1
Windows Server 2008
Windows 8

Terminalserver / Citrix are not supported.

cablabel® S3 is a label software, which integrates three functions:

- **design**
- **printing**
- **monitoring**

During design cablabel® S3 develops the full potential of cab devices: An extensive instruction set is available in the intuitive user interface, e. g. different date formats, mathematic or logic functions.

At the same time cablabel® S3 connects all cab marking systems: First you design the label. You decide not until printing whether you want to print on a label printer, a print and apply system or a laser marking system.

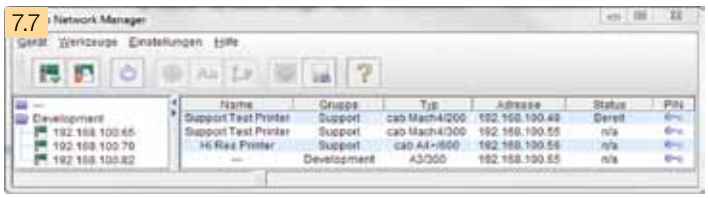
Do you want your marking system to print independently of a host system, in the stand alone mode? cablabel® S3 supports you here again: after design the software supplies you with the required data which are stored within the printer for stand alone mode.

cablabel® S3 is of modular design and can be adapted step by step to your requirements: in order to support different functions like native programming with JScript elements like the JScript editor are embedded as plug-in. The designer user interface and JScript code are aligned in real time. Special functions like Database Connector or bar code tester can be integrated easily.

Additional label software
Highest possible variability – other commercially available label software solutions, such as Codesoft, NiceLabel, Easylabel, Bartender, Label Matrix or Labelview support the cab label printers and labeling systems (delivery program 7.4). More information available on our website.

Software tools – Monitoring

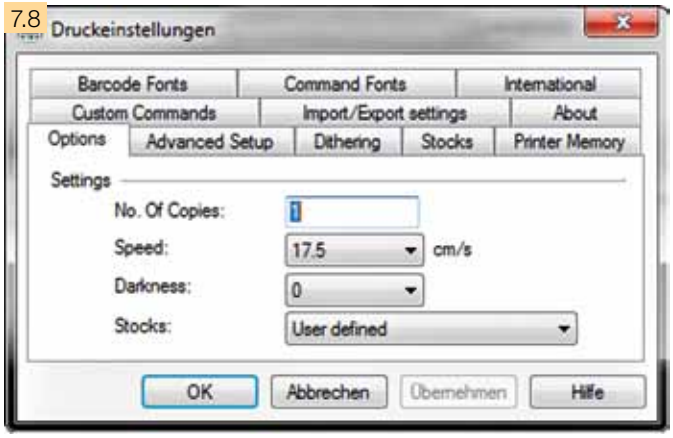
7.7



Administration Network Manager
The cab Network Manager enables the user to control a number of printers across a network simultaneously. It supports monitoring, configuration, firmware updates, memory card administration, file synchronization and PIN administration centrally.

Printer drivers

7.8



WHQL certified Windows printer driver for

Windows XP	Windows Server 2003
Windows Vista	Windows Server 2008
Windows 7	Windows Server 2008 R2
Windows 8	Windows Server 2012

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

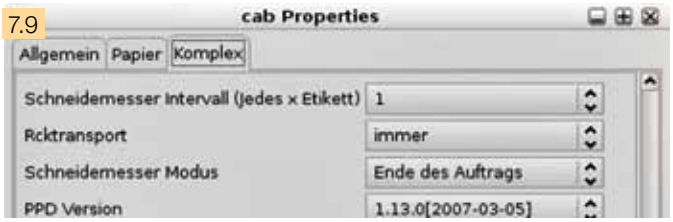
Microsoft® is a registered trademark of Microsoft Corporation.

7.9

Apple-Mac OS X® driver*
Alternatively, cab offers a CUPS-based printer driver for programs using Mac OS X.
You can download the driver from www.cab.de.

Mac OS® is a registered trademark of Apple Computer, Inc.

7.9



Linux driver*
Alternatively, cab offers a CUPS-based printer driver for programs using Linux.
You can download the driver from www.cab.de.

Delivery program label printer

	Part No.	Hardware L	Part No.	Spare parts	Part No.	Spare parts	Part No.	Spare parts
	**5955502** **5955503**	Label printer Hermes+ 2L/300-2 Label printer Hermes+ 2L/600-2	**5954105.001** **5958686.001**	Print head 2/300 Print head 2/600	**5954102.001**	Print roller DR2	**5961015.001**	Drawing roller ZR2
	5955504 **5955505** **5955506**	Label printer Hermes+ 4L/200-2 Label printer Hermes+ 4L/300-2 Label printer Hermes+ 4L/600-2	**5954081.001** **5954072.001** **5954077.001**	Print head 4/200 Print head 4/300 Print head 4/600	**5954180.001**	Print roller DR4	**5961298.001**	Drawing roller ZR4
	5955509 **5955510**	Label printer Hermes+ 6L/200-2 Label printer Hermes+ 6L/300-2	**5954217.001** **5956322.001**	Print head 6/200 Print head 6/300	**5954245.001**	Print roller DR6	**5961220.001**	Drawing roller ZR6
	**5961410** **5961411**	Label printer Hermes+ 2L/300-3 Label printer Hermes+ 2L/600-3	**5954105.001** **5958686.001**	Print head 2/300 Print head 2/600	**5954102.001**	Print roller DR2	**5961015.001**	Drawing roller ZR2
	5955511 **5955512** **5955513**	Label printer Hermes+ 4L/200-3 Label printer Hermes+ 4L/300-3 Label printer Hermes+ 4L/600-3	**5954081.001** **5954072.001** **5954077.001**	Print head 4/200 Print head 4/300 Print head 4/600	**5954180.001**	Print roller DR4	**5961298.001**	Drawing roller ZR4
	5955516 **5955517**	Label printer Hermes+ 6L/200-3 Label printer Hermes+ 6L/300-3	**5954217.001** **5956322.001**	Print head 6/200 Print head 6/300	**5954245.001**	Print roller DR6	**5961220.001**	Drawing roller ZR6
	Part No.	**Hardware R**	**Part No.**	**Spare parts**	**Part No.**	**Spare parts**	**Part No.**	**Spare parts**
	**5955752** **5955753**	Label printer Hermes+ 2R/300-2 Label printer Hermes+ 2R/600-2	**5954105.001** **5958686.001**	Print head 2/300 Print head 2/600	**5954102.001**	Print roller DR2	**5961015.001**	Drawing roller ZR2
	5955754 **5955755** **5955756**	Label printer Hermes+ 4R/200-2 Label printer Hermes+ 4R/300-2 Label printer Hermes+ 4R/600-2	**5954081.001** **5954072.001** **5954077.001**	Print head 4/200 Print head 4/300 Print head 4/600	**5954180.001**	Print roller DR4	**5961298.001**	Drawing roller ZR4
	5955759 **5955760**	Label printer Hermes+ 6R/200-2 Label printer Hermes+ 6R/300-2	**5954217.001** **5956322.001**	Print head 6/200 Print head 6/300	**5954245.001**	Print roller DR6	**5961220.001**	Drawing roller ZR6
	**5961412** **5961413**	Label printer Hermes+ 2R/300-3 Label printer Hermes+ 2R/600-3	**5954105.001** **5958686.001**	Print head 2/300 Print head 2/600	**5954102.001**	Print roller DR2	**5961015.001**	Drawing roller ZR2
	5955761 **5955762** **5955763**	Label printer Hermes+ 4R/200-3 Label printer Hermes+ 4R/300-3 Label printer Hermes+ 4R/600-3	**5954081.001** **5954072.001** **5954077.001**	Print head 4/200 Print head 4/300 Print head 4/600	**5954180.001**	Print roller DR4	**5961298.001**	Drawing roller ZR4
	5955766 **5955767**	Label printer Hermes+ 6R/200-3 Label printer Hermes+ 6R/300-3	**5954217.001** **5956322.001**	Print head 6/200 Print head 6/300	**5954245.001**	Print roller DR6	**5961220.001**	Drawing roller ZR6

	Part No.	Hardware options
	**595xxxx.201**	Label printer Hermes+ with cover[1]
	595xxxx.202	Label printer Hermes+ with ribbon saver[2]
	595xxxx.203	Label printer Hermes+ with cover[1] and ribbon saver[2]
	on request **5961406**	Label printer Hermes+ with label roll core diameter of 40 mm only for Hermes+2 and 4 adapter for core diameter 50 mm
		[1] only for label rolls up to 205 mm Ø [2] only for Hermes+4 and 6
		If the immersion depth of the applicator >25 mm the cover of the Hermes+ has to be adjusted.

Content of delivery:

Label printer,
Power cable Type E+F, length 1,8 m,
Connecting cables USB, length 1,8 m,
Operation manual de/en

DVD: Operation manual de/en/fr,
Configurations manual de/en/fr,
Service manual de/en,
Spare part list de/en,
Programming manual en,
Windows printer driver 32/64 bit in 19 languages for
Windows XP, Server 2003
Windows Vista, Server 2008
Windows 7, Server 2008 R2
Windows 8
Label software cablabel S3 Light

Current data you find on our website www.cab.de

Type code

Label printer Hermes+ 4L/200-2

Label width	58 mm	**2**
	114 mm	**4**
	174 mm	**6**
Dispensing to the	left	**L**
	right	**R**
Print resolution	203 dpi	**200**
	300 dpi	**300**
	600 dpi	**600**
for print rolls Ø up to	205 mm	**2**
for print rolls Ø up to	300 mm	**3**

Delivery program applicators and transfer modules

		Part No.	Applicators L			Part No.	Transfer modules	
5.1		5970075	Swing applicator 3214L-40			xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad	3214L-11 F B x H 3214L-12 F B x H 3214L-61 F B x H 3214L-2100 B x H
5.2		5966109 5966110 5966111	Stroke applicator 4114L-200 Stroke applicator 4114L-300 Stroke applicator 4114L-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad Silicon pad	4114L-11 F B x H 4114L-12 F B x H 4114L-61 F B x H 4114L- 2100 B x H 4114L-18 F B x H
5.3		5966117 5966118 5966119	Stroke-turn applicator 4214L-200 Stroke-turn applicator 4214L-300 Stroke-turn applicator 4214L-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad	4214L-11 F B x H 4214L-12 F B x H 4214L-61 F B x H 4214L-2100 B x H
5.4		5966133 5966134 5966135	Stroke applicator 4414L-200 Stroke applicator 4414L-300 Stroke applicator 4414L-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop	4414L-11 F B x H 4414L-12 F B x H 4414L-61 F B x H
5.5		5971625 5966168 5971640	Swing-stroke applicator 4514L-200 Swing-stroke applicator 4514L-300 Swing-stroke applicator 4514L-400			xxxxxxx	Blow pad	4514L-2100 B x H
5.6		5971695	Flag applicator 4714L-300			xxxxxxx	Tamp pad	4714L-1100 B x H
5.7		5970100 5970101 5970102	Front-side applicator 3014L-200 Front-side applicator 3014L-300 Front-side applicator 3014L-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad Blow pad	3014L -1100 B x H 3014L -3100 B x H 3014L -2100 B x H
		5970103 5970104 5970105	Front-side applicator 3016L-200 Front-side applicator 3016L-300 Front-side applicator 3016L-400			xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad	3016L -1100 B x H 3016L -3100 B x H
5.8						5966147 5966148 5966149 5966150	Universal pad Universal pad Spring-loaded universal pad Spring-loaded universal pad	4014L-1100 75 x 60 4014L-1100 90 x 90 4014L-3100 116 x 102 4014L-3100 116 x 152
		5966101 5966102 5966103	Stroke applicator 4014L-200 Stroke applicator 4014L-300 Stroke applicator 4014L-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Blow pad Spring-loaded tamp pad Roll-on pad Corner pad	4014L-11 F B x H 4014L-2100 B x H 4014L-3100 B x H 4014L-4100 B x H 4014L-5100 B x H / H
		5966161 5966162 5966163	Stroke applicator 4016L-200 Stroke applicator 4016L-300 Stroke applicator 4016L-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad Roll-on pad	4016L-11 F B x H 4016L-3100 B x H 4016L-4100 B x H
5.9		5971720 5971725 5971730	Stroke-blow applicator 4614L-200 Stroke-blow applicator 4614L-300 Stroke-blow applicator 4614L-400			xxxxxxx	Blow pad with height sensor	4614L-2100 B x H
5.10		5966144	Demand module 5114L					
5.11		5971645 5971650	Vacuum-belt applicator 5314L-2 Vacuum-belt applicator 5314L-3					
		5971675 5971680	Vacuum-belt applicator 5316L-2 Vacuum-belt applicator 5316L-3					
5.12		5971581	Air-jet-box 6014L			5971581	Vacuum-blow plate	6014 L/R universal

Delivery program applicators and transfer modules

		Part No.	Applicators R			Part No.	Transfer modules	
5.1		5971655	Swing applicator 3214R-40			xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad	3214R-11 F B x H 3214R-12 F B x H 3214R-61 F B x H 3214R-2100 B x H
5.2		5966105 5966106 5966107	Stroke applicator 4114R-200 Stroke applicator 4114R-300 Stroke applicator 4114L-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad Silicon pad	4114R-11 F B x H 4114R-12 F B x H 4114R-61 F B x H 4114R- 2100 B x H 4114R-18 F B x H
5.3		5966121 5966122 5966123	Stroke-turn applicator 4214R-200 Stroke-turn applicator 4214R-300 Stroke-turn applicator 4214R-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop Blow pad	4214R-11 F B x H 4214R-12 F B x H 4214R-61 F B x H 4214R-2100 B x H
5.4		5966137 5966138 5966139	Stroke applicator 4414R-200 Stroke applicator 4414R-300 Stroke applicator 4414R-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad with foam Tamp pad with label stop	4414R-11 F B x H 4414R-12 F B x H 4414R-61 F B x H
5.5		5966950 5971460 5971700	Swing-stroke applicator 4514R-200 Swing-stroke applicator 4514R-300 Swing-stroke applicator 4514R-400			xxxxxxx	Blow pad	4514R-2100 B x H
5.6		5971660	Flag applicator 4714R-300			xxxxxxx	Tamp pad	4714R-1100 B x H
5.7		5970106 5970107 5970108	Front-side applicator 3014R-200 Front-side applicator 3014R-300 Front-side applicator 3014R-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad Blow pad	3014R -1100 B x H 3014R -3100 B x H 3014R -2100 B x H
		5970109 5970110 5970111	Front-side applicator 3016R-200 Front-side applicator 3016R-300 Front-side applicator 3016R-400			xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad	3016R -1100 B x H 3016R -3100 B x H
5.8						5966140 5966141 5966142 5966143	Universal pad Universal pad Spring-loaded universal pad Spring-loaded universal pad	4014R-1100 75 x 60 4014R-1100 90 x 90 4014R-3100 116 x 102 4014R-3100 116 x 152
		5966105 5966106 5966107	Stroke applicator 4014R-200 Stroke applicator 4014R-300 Stroke applicator 4014R-400			xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Blow pad Spring-loaded tamp pad Roll-on pad Corner pad	4014R-11 F B x H 4014R-2100 B x H 4014R-3100 B x H 4014R-4100 B x H 4014R-5100 B x H / H
		5966165 5966166 5966167	Stroke applicator 4016R-200 Stroke applicator 4016R-300 Stroke applicator 4016R-400			xxxxxxx xxxxxxx xxxxxxx	Tamp pad Spring-loaded tamp pad Roll-on pad	4016R-11 F B x H 4016R-3100 B x H 4016R-4100 B x H
5.9		5971735 5971740 5971745	Stroke-blow applicator 4614R-200 Stroke-blow applicator 4614R-300 Stroke-blow applicator 4614R-400			xxxxxxx	Blow pad with height sensor	4614R-2100 B x H
5.10		5966145	Demand module 5114R					
5.11		5971665 5971670	Vacuum-belt applicator 5314R-2 Vacuum-belt applicator 5314R-3					
		5971685 5971690	Vacuum-belt applicator 5316R-2 Vacuum-belt applicator 5316R-3					
5.12		5971577	Air-jet-box 6014R			5971581	Vacuum-blow plate	6014 L/R universal

Delivery program accessories

		Part No.	Extras Hermes+	
2.1		**961000.001** **5961070.001** **5961193.001**	Cover 2L Cover 4L Cover 6L	If the immersion depth of the applicator exceeds 25mm the cover has to be modified.
		**961190.001** **5961187.001** **5961196.001**	Cover 2R Cover 4R Cover 6R	
2.2		**5954380.001**	External operation panel	
2.3		**5901630**	Standard keyboard USB German version	
2.4		**5561043**	Memory card CompactFlash Typ I	
2.5		**5964300**	Photo sensor to start	
2.6		**5917651**	I/O-Interface connector SUB-D-plug 25 pin Phoenix Contact No. 2761622	
2.7		**5961237.001**	Warning light	
2.8		**5918092**	Circular connector 3-pin M8	
		**5918003**	Circular connector 4-pin M8	

		Part No.	Interfaces
3.1 3.2		**5954200** **5954201**	Centronics interface RS422/RS485 interface
3.3		**5954191**	Label selection - I/O-Box
3.4		**5561041**	WLAN card 802.11 b/g

		Part No.	Connecting cable
4.1		**5550818**	Connecting cable RS232 C 9/9-pin, length 3 m
4.2		**5918008**	Patch cable KAT 5e, 3 m grey

		Part No.	Extras Applicators
5.13		**5964277**	Blow tube 2“
		5964095	Blow tube 4“
		5964614	Blow tube 6“
5.14		**5955735**	Air pressure regulation unit L
		**5955736**	Air pressure regulation unit R
5.15		**5955737**	Air pressure regulation unit L with main valve
		**5955738**	Air pressure regulation unit R with main valve

		Part No.	Extras Applicators
5.16		**5971556**	Air pressure regulation unit L with additional shutoff valve
		5971559	Air pressure regulation unit R with additional shutoff valve
5.17		**596xxxx.212**	Pressure relief valve to reduce tamp force

		Part No.	Mounting aid
6.1		**5965940**	Adapter plate
6.2		on request	Profile
6.3		**5961203**	Base plate 500 x 255 mm
6.4		**5958400**	Mounting plate
6.5		**5955685**	Bracket profile 50 x 50 mm Supplier: Rose+Krieger Part No. 4.08.5000
6.6		**8914443**	Clamped joint profile 50 x 50 mm Supplier: Rose+Krieger Part No. 4.08.5000
6.7		**8914444**	Flanged joint profile 50 x 50 mm Supplier: Rose+Krieger Part No. 4.08.5000
6.8		**5970113**	Stand 1601
6.9		**5970112**	Stand 1602

		Part No.	Software
7.5		**DL 40100**	Database Connector Licence
7.6		**5588001** **5588105** **5588102**	Label software cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro update 1 WS to 5 WS
		on request	Label software Codesoft, Nice Label, Easylabel
7.7		**5580215**	Administration Network Manager
7.10		**9008486**	Programming manual English, printed copy

cab delivery program

Label printer EOS1
The compact for
label rolls up to 155 mm Ø

Label printer EOS4
The cost-effective for
label rolls up to 210 mm Ø

Label printer MACH4
The versatile
for a smooth workflow

Label printer A+ series
The universal

Label printer A+ M
with centered material guide

Label printer XD4
double-sided printing

Textile printer A4+T
For textile material

Label printer XD4T
double-sided printing of
textile material

Label printer XC4
two-color printing

Label printer XC6
two-color printing

Label dispenser HS
Precise and easy dispensing in
horizontal direction
up to a width of 180 mm

Label dispenser VS
precise and easy dispensing in
vertical direction
up to a width of 180 mm

Print & apply system Hermes+
for automation

Print module PX series
for integration into automatic
labeling systems

Labels / Transfer ribbons
precise printing with cab's
labels and transfer ribbons

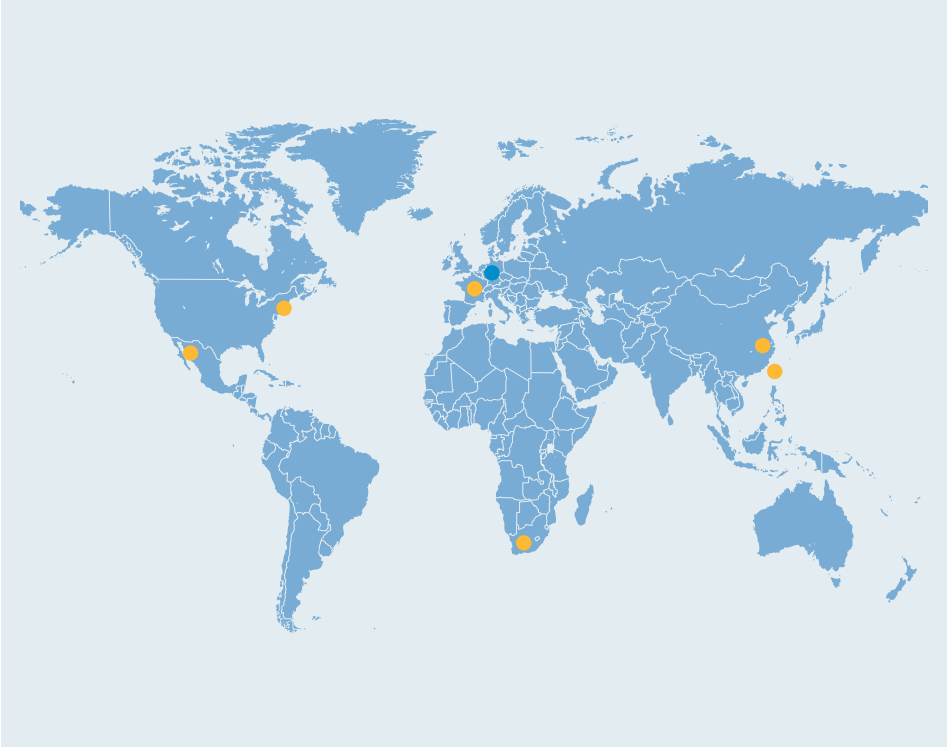
Label software
standard and optional software

Laser marking system FL series
Precise and fast

Laser safety housing
The industrial solution

- Headquarters in Germany
- cab offices
  520 partners
  in over 80 countries

cab maintains a presence in the world's major economic areas.



For current data, please refer to www.cab.de/en

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