

Products need labeling
Print and apply systems







cab – Product innovation Made in Germany

Since more than 40 years cab develops and manufactures solutions and a large amount of accessories for product marking. The product range includes label printers, print and apply systems, label dispensers and marking laser systems. In addition, cab provides ribbons and labels for the perfect imprint.

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Scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee. For current data see *www.cab.de/en/hermesplus*

Print and apply systems HERMES+

Designed for demanding industrial applications

HERMES⁺ represents

- innovative technology
- reliable and fast printing
- precise labeling
- modular construction
- rugged metal design
- highest quality standards

Hermes⁺ has been designed for automatic printing and applying in production lines. Applicators allow the labels to be rolled, blown or tamped on a product or packaging.

A wide range of accessories and different floor stands are available to allow flexibility in installation. This facilitates both the integration in already existing and simplifies the project planning of new production lines.

Hermes⁺ systems turn out to be a safe investment for the future: If requirements should change, such as the product to be marked or the size of the label, the modular design can be individually adapted.





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Information is also available on the Internet: *www.cab.de/en/hermesplus*

Sample applications:

Marking picking and transport boxes for traceability of the goods

Marking pharmaceutical products such as test tube carriers even when there is only little space to stick a label Marking cardboard or other product packaging in motion or not in motion









The system is basically split into a print unit and the applicator. Both of them can be combined depending upon individual needs.

Type overview HERMES+

As for the print units, two different unwinding diameters and all systems in a left or right hand version are offered as standard.



1.2

1.3

Hermes⁺ 2 - the slim one for small labels with an accurate imprint

1.1	Label printer		Hermes+2			
	Printable resolution	dpi	300	600		
	Print speed	up to mm/s	150	100		
	Print width	up to mm	54.2	57		
	Label roll outside dia	ameter mm	205,	/ 305		
	Label width	up to mm	5	8		

In case of carrier material with a width less than 24 mm the label roll has to be guided by additional margin stops centered to the ribbon to achieve an accurate imprint. Kits are available on request.

Hermes⁺ 4 - the universal one

The best selling industrial device offering an accurate imprint and a wide range of accessories.

1.2	Label print	er		H	ermes+	Hermes ⁺ 4.3		
	Printable reso	olution	dpi	203	300	600	203	300
	Print speed	up to r	nm/s	250	250	100	250	250
	Print width	up to	o mm	104	105.6	105.6	104	108.4
	Label roll outside diame	eter	mm			205 / 305	5	
	Label width	up t	o mm			114		

Hermes⁺ 6 - the wide one

for Odette, UCC and GS1 labels

1.3	Label printer		Herm	ies+6	
	Printable resolution	dpi	203	300	
	Print speed	up to mm/s	200	200	
	Print width	up to mm	168	162.6	
	Label roll outside diameter	mm	205 / 305		
	Label width	up to mm	1	74	

Type overview **HERMES+**

Hermes+ 2



Label reel diameter 205 mm

Hermes+ 2 Hermes+ 4 Hermes+ 6



Label reel diameter 205 mm

Hermes+ R



Label reel diameter 305 mm

Hermes+ L



Dispensing to the left

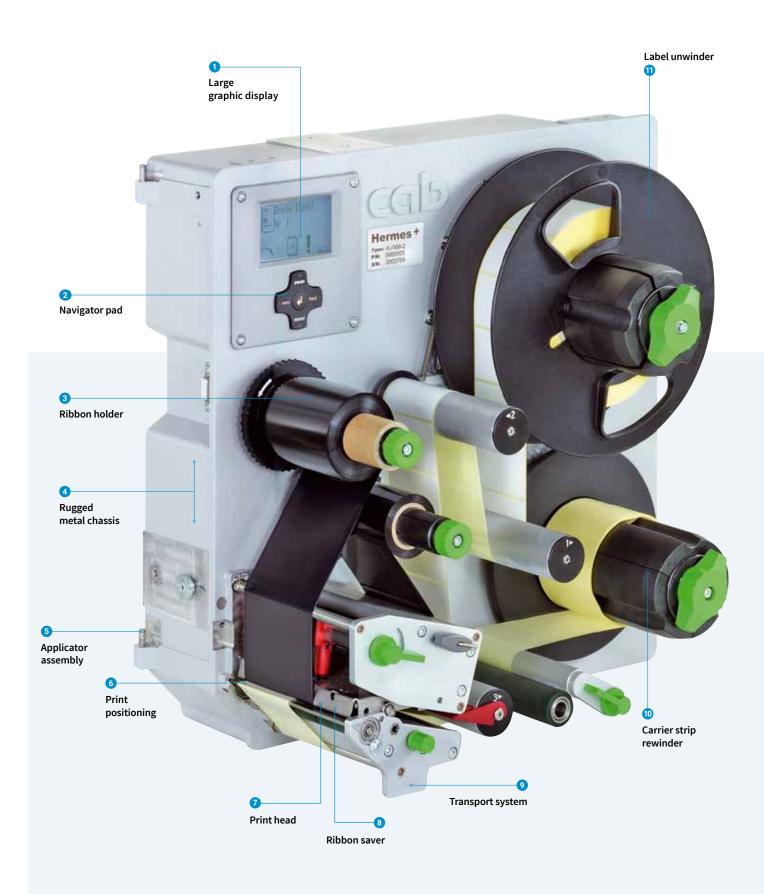
Dispensing to the right

Hermes⁺ 2 Hermes⁺ 4 Hermes⁺ 6 Hermes⁺ 6



Cover protecting from dirt

Technical details HERMES+



MARIO HISS // SALES DIRECTOR PRINT AND APPLY SYSTEMS

» Every industrial sector has specific requirements on the quality of the label and has different conditions related to the automation. «

1 Large graphic display

White backlight provides optimum readability. Depending on the mounting direction, the display can be rotated in steps of 90°.

2 Navigator pad

Simple, interactive menu control; only applicable functions are displayed by the day and night design. Along with the graphic display navigation is easy to understand.

8 Ribbon holder

The fast and simple exchange of the ribbon is enabled by three-part tightening axles.

4 Rugged metal chassis

made of cast aluminum; basis to assemble all components

6 Applicator assembly

Assembled with hinged bolts, the applicator may be easily removed for maintenance.

O Print positioning

The print position is automatically aligned when few labels of a new label roll have been printed. The reference value is kept even when the device is switched off.

7 Print head

It can be exchanged in a few quick steps; simple adjustment and setting

8 Ribbon saver

This feature is used with partially printed labels. In case of unprinted sectors the print head is lifted and the ribbon is stopped during label feed.

9 Transport system

Accurate imprint and precise feeding are enabled by ball bearing feed rolls.

O Carrier strip rewinder

When all labels have been peeled off, the carrier strip of the label roll is fully rewound. The removal of the label roll is simplified by the tightening axle.

1 Label unwinder

A swing lever and an integrated brake mechanism make sure that the labels are unwound with constant tension.

Direction of printing

All Hermes⁺ devices with applicators are available in a left and right hand version.



we identify m

Consistent **know-how,** high level **vertical integration**

All mechanical and plastic components used in cab devices and systems are manufactured in-house at the Sömmerda site. Facilities, machinery and equipment are always using the latest technology.

Substantial equipment provides the preconditions to economically manufacture even complex marking systems that set demanding requirements on production processes. The competencies for the whole process chain of electronics, mechanics and software are provided within cab.



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For further information see *https://we-identify-more.com/en*

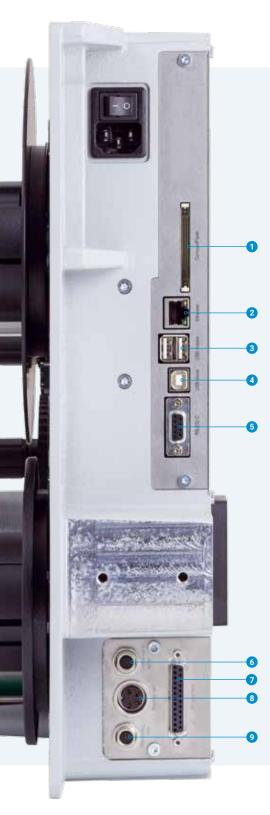








Interfaces HERMES+



1 Slot for memory card CompactFlash Type I

2 Ethernet 10/100 BASE-T interface with TCP/IP

3 2 x USB master interfaces to connect an external operation panel, a keyboard, barcode scanner or service key

- **4 USB 2.0 slave** interface to connect a PC
- 5 RS232-C interface
- 6 Main valve for air pressure supply connection to centrally switch ON/OFF the compressed air supply
- Digital I/O interface 25-pin SUB-D socket connector

Compliant with IEC/EN 61131-2, Type 1+3; all in- and outputs are galvanically isolated and protected from reverse polarity, outputs as well protected from short circuit

Inputs PNP

Start printing and applying Reprint Label feed Delete print job Pause Label dispensed Reset Stop printing and applying Print first label Label rotation 90° (Applicator 4214)

Outputs PNP - NPN on request

Ready Print data available Paper feed ON Pre-warning end of ribbon Pre-warning end of label web Error end of ribbon Error end of label web Label in peel-off position Initial position / upper end Labeling position / lower end Common alarm

8 Warning light connection

- The printer status is displayed:
- Green Device switched on
- Yellow Pre-warning end of ribbon
- **Red** Error printer or labeler

External E-stop connection

Along with the plug-in of a main valve this interface allows compressed air supply to be interrupted in case of emergency.

Options



Centronics interface

bi-directional according to IEEE 1284; interface RS422 / RS485 1,200 to 230,400 baud/8 bit. The interfaces are connected to a PC. A USB cable connects with the printer.



Label selection - I/O box

A maximum of 16 different labels are selected from a memory card via PLC. It is also possible to take control of 4 in- resp. outputs via Basic Interpreter.

Technical data

					 Typical 	O Possibl	e 🔳 Standa	rd 🗆 Opti			
1	1			1.2			1.3				
Hern	nes+ 2	Hermes+ 4.3 Hermes+ 4			4	Hermes+ 6					
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•	-	Ŏ	•	0	0	-	Ū.	•			
oi 300	600	203	300	203	300	600	203	300			
/s 150	100	250	250	250	250	100	200	200			
m 54.2	57	104	108.4	104	105.6	105.6	168	162.6			
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n				518							
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			100-240) Hz, PFC						
N	300										
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			10 0/10	0070110	0 - 60°C / 20 - 80% not condensing -25 - 60°C / 20 - 80% not condensing						
		(0 - 60°C / 20	0 - 80% no	ot condens	ing					
	Hern 0 0 0 0 150 150 150 150 150 150 150 150 150 150 150 12 12 13 14 10 11 12 11 12 13 14 14 15 14 15 16 17 18 18 19 10 11 12 13 14 14 15 16 17 18 18 19 110 111 111 111	Image: matrix of the second secon	Hermes+ 2 Herm 	Hermes+ 2 Hermes+ 4.3 	Hermes+ 2 Hermes+ 4.3 ● ● ● ● ○ pi 300 600 203 300 203 /s 150 100 250 250 250 n 54.2 57 104 108.4 104 Paper, plastics PET, PE, PP, P 0.055 - 0.35 / 60 n 114 n 24-62 24 - 118 n 10 - 62 - m 4 - 200 8 - 320 n 205 / 305 n 205 / 305 m 76 76 n 40 / 50 outside or ins m 80 80 n 25 25 m 500 500 500 n 60 114 - - - 155 / 210 n 60 m 207 260 2-47 200 338 10 518 16 100 - 240 2-47 266 8 64 40 8	1.1 1.2 Hermes+ 2 Hermes+ 4.3 Hermes+ •	1.1 1.2 Hermes+2 Hermes+4.3 Hermes+4 •	Hermes* 2 Hermes* 4.3 Hermes* 4 Hermes* 4 • • • • • •			

Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested.
 In case of carrier material with a width less than 24 mm the label roll has to be guided by additional margin stops centered to the ribbon to achieve an accurate imprint. Kits are available on request.
 The ribbon should at least correspond with the width of the carrier material.

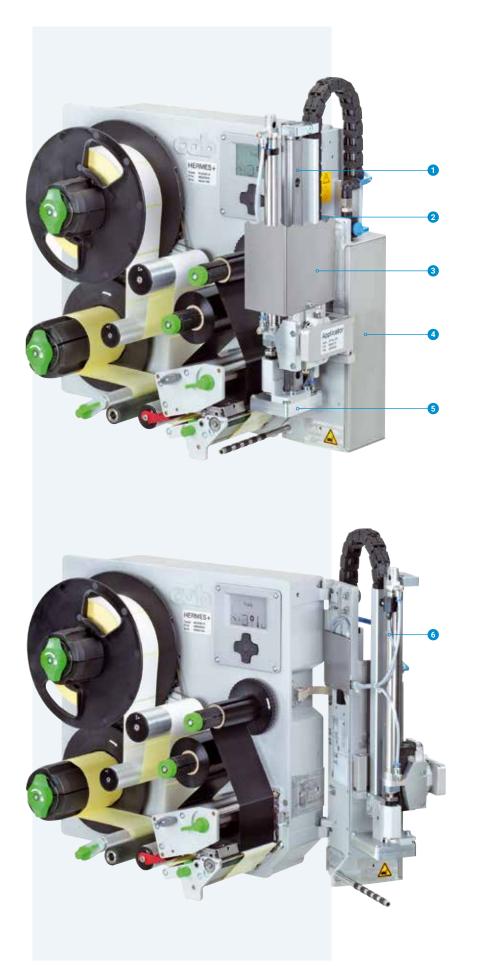
Technical data

■ Standard □ Option

Operation panel						
Buttons / LED signals	Pause, Feed, Cancel, Menu, Enter, 4 x cursor					
LCD graphic display	Width 60 mm, height 40 mm Four lines of text, approx. 20 characters per line					
Settings						
	Time, date, analog and digital clock 25 languages System settings, print parameters, interfaces, safety					
Display informatio	n					
	Data receptionClockEthernet statusCalendarUsed memoryabc debugPrint head temperatureInput bufferMemory card accessRibbon remaining					
Monitoring						
Print stop in case of	end of ribbon end of label web print head open					
Pre-warning to	end of ribbon					
Test routines						
System diagnostics when	device is switched on, including print head check					
Short status, status printout	Fonts list, type overview, WLAN status, label profile, test grid, monitor mode, PPP status					
Status reports	Printout of system settings, for example - print lengths and running times, - system status requests via software command, - display information such as network error, missing link, barcode error, etc.					
Fonts						
Font types	5 bitmap fonts including OCR-A, OCR-B and 3 vector fonts Swiss 721, Swiss 721 Bold, Monospace 821 are internally provided, TrueType fonts may be stored					
Character sets	Windows 1250 to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R					
	All West and East European, Latin, Cyrillic, Greek, Hebrew and Arabic characters, Chinese and Thai are supported.					
Bitmap fonts	Size in width and height 1 - 3 mm Zoom factor 2 to 10 Orientation 0°, 90°, 180°, 270°					
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 on the font type					
Character spacing	Variable					

Graphics						
Graphic elements	Lines, arrows, rectang - filled and filled with fa	ading				
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG					
Barcodes						
Linear	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 routin of Deutsche Por Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	ng code			
2D and stacked	Aztec Codablock F Data Matrix PDF 417 Micro PDF 417 UPS MaxiCode QR code RSS 14 truncated, limit and stacked omni-dire EAN/GS1 DataMatrix GS1 DataBar	· ·				
	All codes are variable as regards height, modular width amd ratio; orientation 0°, 90°, 180°, 270°					
	Optionally check digit, start/stop code depen					
Software						
Programming	JScript direct program abc Basic Compiler Database Connector	ming				
Monitoring / Administration	Printer control Network Manager					
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print					
WHQL certified Windows printer drivers for	Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016				
Apple Mac OS X drivers	from version 10.6					
Linux printer drivers	from CUPS 1.2					
			_			

Applicators



1 Long service life

Precise and low-wear linear guidance via a ball bearing chain

2 Variable product heights

The stroke applicator enables labeling at different heights. Applicator's lengths are 200, 300 and 400 mm as standard. Further lengths are available on request.

OPROTECTIVE COVER

The cylinder and the guidance are coverprotected as standard. For application at labeling work stations protective covers adapted to the product jig are offered.

4 High process reliability

Supporting air, suction air and the stroke speed are all adjustable. Sensor control

6 Real-time labeling

Applicators are available for both small and large labels; labels heights 4 - 250 mm and label widths 4 - 174 mm can be processed.

6 Pivot applicator

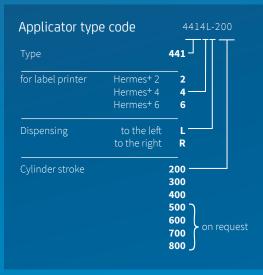
In case of material exchange or maintenance the print mechanics is easily accessible.

Compressed air regulator

It reduces the contact pressure of the stroke cylinder on the product.

Overview of applicators and transfer modules

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					Transf	er mod	200 23 201 23 201 23		ann a	NIT 30	Corm Pa	S Sal	2 ² d 52 ¹¹¹	ASPINE CONTRACTOR	oner a	eel a	acuum,	et du
					1131	STINE A	3MY	amer	aun c	BONN .		nive.	ame	2011	Johne d	ee''	3000	210m
Ann	licator	2	Herme 4															ĺ
			Drder co		11	11	12	61	21	88	31	31	41	51	_	_	90	
5.1	Swing applicator	3	214		-	F	F	F		-	–	_	–	-	–	-	–	
5.2	Stroke applicator	4	114		_	F	F	F			_	_	_	_	_	_	_	
5.2				4116	_	F	F	F			_	_	_	_	_	_	_	king
5.3	Stroke turn applicator	4	214		-	F	F	F		-	-	-	-	-	-	-	-	t mar
5.4	Stroke applicator	4	414		_	F	F	F	_	_	_	_	_	_	_	_	_	Product marking
5.5	Swing stroke applicator	4	-514		_	_	_	_		_	_	-	_	_	_	-	_	
5.6	Flag applicator		4712		_	_	_	_	_		_	_	_	_	_	_	_	
5.7	Front side applicators		3014		_		_	_		_	_		_	_	_	_	_	
5.1				3016	_		_	_	_	_	_		_	_	_	_	_	
5.8	Stroke applicators		4014			F	-	-		-					-	-	-	
				4016	-		-	_	_	_	_			-	_	_	_	king
5.9	Stroke blow applicator		4614		_	_	_	-		-	_	-	_	-	_	-	_	mar
5.10	Demand module		5114		_	_	_	_	_	_	_	_	_	_		_	_	Package marking
5.11	Vacuum belt applicators		5314	5316	_	_	_	_		_	_	_		_	_		_	Ра
-5.11			5414	5416														
5.12	Air jet box		6014		-	-	-	-	-	_	-	_	-	-	-	-		



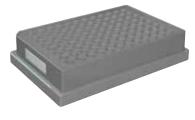
F Enables the tamp pad to immerse in the surface within the label area.

For precise immersion depths see the technical data of the applicators.

Swing applicator 3214

to precisely apply very small to medium sized labels in real time. The labels are preferably applied from the side on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. A cylinder rotates to the labeling position. A stroke cylinder applies the label on the product. The angle of rotation and linear stroke are adjustable.





Tamp pad

Labels are applied on flat, even recessed, surfaces



5.1

Tamp pad spring-mounted

to reduce noise when hard surfaces are processed. It is also recommended with rough structures and minor unevenness.

Tamp pad with label stop

In case small labels are processed, the label stop enables the label to be applied on the product very exactly.



Blow pad

in case of pressure-sensitive surfaces or when products in motion are processed. Air jet blows the label onto the product.

5 - 10 mm distance to the product surface can be adjusted at the stroke cylinder with a stop.

			Tamp pad	Tamp pad spring-mounted	Tamp pad with label stop	Blow pad		
Technical dat	а	Туре	3214 L/R 11 F	3214 L/R 12 F	3214 L/R 61 F	3214 L/R 2100		
Label width	Hermes ⁺ 2	mm	4-58	10-58	10-58	10-58		
	Hermes ⁺ 4	mm	10-114	10-114	10-114	10-80		
Label height	Hermes+ 2	mm	5-80	8-80	5-80	10-80		
	Hermes ⁺ 4	mm	8-80	8-80	8-80	10-80		
Product during	Product during labeling not in motion							
		in motion	-	-	-			
Labeling on th	e product	from the side						
Product height	t	steady						
Product distan	ce to peel-off pla	ate mm	250 - 280					
Horizontal line	ar guidance	mm	5-30					
Swing angle				45°	- 95°			
Pad immersior	n depth F	up to mm	30	30	30	-		
Compressed a	ir	bar	4.5					
Cycle time ¹⁾		approx. labels/min	20					

¹⁾Calculated with label height 40 mm, print speed 100 mm/s



Stroke applicators 4114, 4116

to precisely apply very small to medium sized labels in real time. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. A short stroke cylinder horizontally moves the pad to the labeling position. A stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.





Tamp pad Labels are applied on flat, even recessed, surfaces



5.2

Tamp pad spring-mounted

to reduce noise when hard surfaces are processed. It is also recommended with rough structures and minor unevenness.

Tamp pad with label stop

In case small labels are processed, the label stop enables the label to be applied on the product very exactly.





Blow pad

in case of pressure-sensitive surfaces or when products in motion are processed. Air jet blows the label onto the product.

5 - 10 mm distance to the product surface can be adjusted at the stroke cylinder with a stop.

			Tamp pad	Tamp pad spring-mounted	Tamp pad with label stop	Blow pad
Technical dat	а	Туре	4114, 4116 L/R 11 F	4114, 4116 L/R 12 F	4114, 4116 L/R 61 F	4114 L/R 2100
Label width	Hermes ⁺ 2	mm	4 - 58	10-58	10-58	10-58
	Hermes+ 4	mm	10-114	10-114	10-114	10-114
	Hermes ⁺ 6	mm	50-174	50-174	50-174	-
Label height	Hermes ⁺ 2	mm	4 - 80	8 - 80	4 - 80	10-80
	Hermes+ 4	mm	8 - 80	8-80	8-80	10-80
	Hermes ⁺ 6	mm	8-80	8 - 80	8-80	-
Product during	glabeling	not in motion				
		in motion	-	-	-	
Labeling on th	e product	from top				
		from below				
		from the side				
Product height	t	steady	-	-	-	
		variable				-
Horizontal sho	rt stroke cylinde	er mm		1	.0	
Product distar	ce to lower edg	e of device				
at cylinder stro	oke 200	up to mm	135	135	135	140
	300	up to mm	235	235	235	240
	400	up to mm	335	335	335	340
Pad immersion	n depth F ¹⁾	up to mm	100	100	100	-
Compressed a		bar		4	.5	
Cycle time ²⁾		approx. labels/min		3	0	

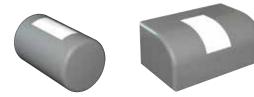
¹⁾ With applicator immersion depths higher than 25 mm the cover of Hermes⁺ has to be modified.

²⁾ Calculated with 100 mm stroke below the device, label height 40 mm, print speed 100 mm/s

Stroke applicators 4114, 4116

to precisely apply very small to medium sized labels in real time. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. A short stroke cylinder horizontally moves the pad to the labeling position. A stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.







Form pad

5.2

Labels are precisely applied on cylindric, curved or convex surfaces. To avoid blistering on very smooth and flat surfaces, convex form pads are used. In case of cylindric bodies, label wrapping is possible to a maximum of 200°.

			Form pad
Technical dat	a	Туре	4114, 4116 L/R 8800
Label width	Hermes ⁺ 2	mm	10 - 58
	Hermes ⁺ 4	mm	10 - 114
	Hermes ⁺ 6	mm	50 - 174
Label height		mm	8 - 80
Product during	glabeling	not in motion	
_		in motion	-
Labeling on the	e product	from top	
		from below	
		from the side	
Product height	:	variable	
Horizontal sho	rt stroke cylinde	r mm	10
Product distan	ce to lower edge	e of device	
at cylinder stro	ke 200	up to mm	135
	300	up to mm	235
	400	up to mm	335
Compressed ai	ir	bar	4.5
Cycle time ¹⁾		approx. labels/min	20

¹⁾ Calculated with 100 mm stroke below the device, label height 40 mm, print speed 100 mm/s With form pads higher than 25 mm the cover of Hermes⁺ has to be modified.

Stroke turn applicator 4214

to precisely apply very small to medium sized labels when installation is difficult. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. A cylinder horizontally rotates up to 180° to the labeling position. A stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.







5.3

Tamp pad

Labels are applied on flat, even recessed, surfaces



to reduce noise when hard surfaces are processed. It is also recommended with rough structures and minor unevenness.

Tamp pad with label stop

In case small labels are processed, the label stop enables the label to be applied on the product very exactly.





Blow pad

in case of pressure-sensitive surfaces or when products in motion are processed. Air jet blows the label onto the product.

5 - 10 mm distance to the product surface can be adjusted at the stroke cylinder with a stop.

			Tamp pad	Tamp pad spring-mounted	Tamp pad with label stop	Blow pad
Technical dat	а	Туре	4214 L/R 11 F	4214 L/R 12 F	4214 L/R 61 F	4214 L/R 2100
Label width	Hermes ⁺ 2	mm	4 - 58	10-58	10-58	10-58
	Hermes+ 4	mm		10-	- 80	
Label height	Hermes ⁺ 2	mm	4 - 40	8-40	4 - 40	10-40
	Hermes+ 4	mm	8-40	8-40	8 - 40	10-40
Product during	glabeling	not in motion				
		in motion	-	-	-	
Labeling on th	e product	from top				
		from below				
		from the side				
Product height	:	steady	-	-	-	
		variable				-
Angle of rotation		90°, 0° I heights up to 15 mm				
Product distan	ce to lower edge					
at cylinder stro	0	up to mm	135	135	135	140
	300	up to mm	235	235	235	240
	400	up to mm	335	335	335	340
Pad immersior	n depth F ¹⁾	up to mm	65	65	65	-
Compressed a	ir	bar		4	.5	
Cycle time ²⁾		approx. labels/min		2	0	

¹⁾With applicator immersion depths higher than 25 mm the cover of Hermes⁺ has to be modified.

²⁾ Calculated with 100 mm stroke below the device, label height 40 mm, print speed 100 mm/s

Stroke applicator 4414

to precisely apply very small to medium sized labels in real time. The final position on the product is adjustable in x and y directions. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. Two short stroke cylinders horizontally move the pad to the labeling position. A stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.







Tamp pad

Labels are applied on flat, even recessed, surfaces



Tamp pad spring-mounted

to reduce noise when hard surfaces are processed. It is also recommended with rough structures and minor unevenness.

Tamp pad with label stop

In case small labels are processed, the label stop enables the label to be applied on the product very exactly.

			Tamp pad	Tamp pad spring-mounted	Tamp pad with label stop			
Technical dat	a	Туре	4414 L/R 11 F	4414 L/R 12 F	4414 L/R 61 F			
Label width	Hermes ⁺ 2	mm	4 - 58	10-58	10-58			
	Hermes ⁺ 4	mm		10-114				
Label height	Hermes ⁺ 2	mm	4-80	8-80	4-80			
	Hermes ⁺ 4	mm		8 - 80				
Product during	glabeling	not in motion						
Labeling on th	e product	from top						
		from below						
		from the side						
Product height	t	variable						
Horizontal sho	rt stroke cylinder	x direction mm		3-7				
	-	y direction mm		11 - 15				
Product distan	ce to lower edge of	device						
at cylinder stro	oke 200	up to mm		135				
	300	up to mm		235				
	400	up to mm		335				
Pad immersior	n depth F ¹⁾	up to mm		90				
Compressed a	ir	bar		4.5				
Cycle time ²⁾	â	pprox. labels/min		25				

¹⁾ With applicator immersion depths higher than 25 mm the cover of Hermes⁺ has to be modified. ²⁾ Calculated with 100 mm stroke below the device, label height 40 mm, print speed 100 mm/s

Swing stroke applicator 4514

to apply labels on the inside surfaces of profiles and pipes in real time. The final position on the product is adjusted at the stroke cylinder with a stop. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. A cylinder rotates to the labeling level. A stroke cylinder moves the label to the labeling position.







Blow pad

With 5 - 10 mm distance to the product surface air jet blows the labels onto the product.

			Blow pad
Technical data	а	Туре	4514 L/R 2100
Label width	Hermes+ 2	mm	10-58
	Hermes ⁺ 4	mm	10-80
Label height		mm	10-60
Product during	glabeling	not in motion	
Labeling on the	e product	from top	
		from below	
		from the side	
Product height		steady	
Vertical angle c	of rotation		120°
Distance from lo	ower edge of dev	vice to top edge of label	
at cylinder stro	ke 200	up to mm	150 ²⁾
	300	up to mm	250 ²⁾
	400	up to mm	350 ²⁾
Compressed ai	r	bar	4.5
Cycle time ¹⁾		approx. labels/min	20

 $^{\rm 1)}$ Calculated with 100 mm stroke below the device, label height 40 mm, print speed 100 mm/s $^{\rm 2)}$ depending from the label height

Flag applicator 4712

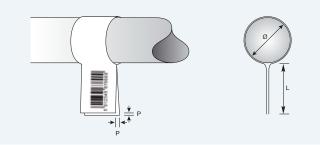
to precisely apply labels on round materials such as cables, tubes, pipes, etc. The labels can be applied from all sides on the product.

The pad's position is in front of the peel-off plate. The label is held during the printing. It is moved to the labeling posi-tion with a stroke cylinder. Via cam control, the other cylinder places the label around the round material. First of all, it is stuck together at its ends. It is then pressed onto the round material. The length of the stroke cylinder defines the maxi-mum distance between the peel-off plate and the product.



5 012345 678900		5 012345 678900
Front side	Diameter x π →	← Back side Flag length L





		Tamp pad
Technical data	Туре	4712 L 300
Label width Hermes ⁺ 4	mm	60 - 100
Label height	mm	10-50
Diameter	mm	3-16
Product during labeling	not in motion	
Labeling on the product	from top	
	from below	
	vertically rotated	0 - 180° clockwise; others on request
	from the side	
Product height	steady	
Product distance to lower ed	ge of device up to mm	260
at cylinder stroke 300		
not less than 70 mm		
Tongs immersion depth	mm	55
Offset P	up to mm	$1.0^{2^{j}}$
Compressed air	bar	4.5
Cycle time ¹⁾	approx. labels/min	15

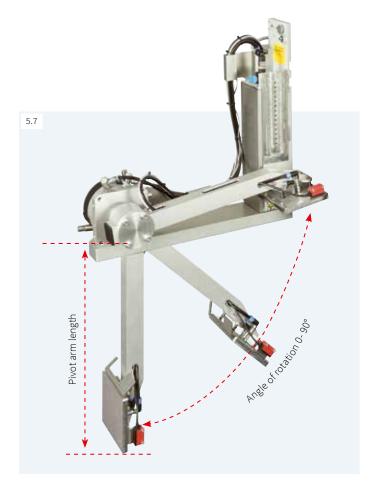
 $^{\rm 1)}$ Calculated with print speed 100 mm/s $^{\rm 2)}$ depending from the label quality

Front side applicators 3014, 3016

to apply labels on packaging in motion in real time. The labels are preferably applied on the front or back side. Labeling from the top or from the side is possible. The pad's position is in front of the peel-off plate. The label is taken over during the printing.



The rotary cylinder applies the label on the product. A sensor detects the packaging and directs the pivot arm and pad back to its initial position.





Tamp pad Labels are applied on flat, even recessed, surfaces



Tamp pad spring-mounted The spring-mounted suction plate enables labeling on inclined surfaces up to 15°. Vertical deviation can be up to 10 mm within the label area.



Blow pad

With 5 - 10 mm distance to the product surface air jet blows the labels onto the product.

			Tamp pad	Tamp pad with damping pad	Blow pad		
Technical dat	а	Туре	3014, 3016 L/R 1100	3014, 3016 L/R 3100	3014 L/R 2100		
Label height	Hermes+ 4	mm	25-114	80-114	25-114		
	Hermes+ 6	mm	25 - 174	80 - 174	-		
	Hermes ⁺ 4	mm	8-250	80-250	10 - 100		
	Hermes+ 6	mm	25-250	80-250	25 - 100		
Product during	glabeling	not in motion					
0 0		in motion					
Labeling on the	e product	from top					
		from the side					
		from the front					
		from the back					
Product height	:	variable					
Pivot arm leng	th1)	mm	200 / 300 / 400				
Angle of rotation			0-90°				
Compressed ai	ir	bar	4.5				
Cycle time ²⁾		approx. labels/min		15			

 11 Pivot arm length defines the accessible 90° labeling position (lower edge of the label) beneath the Hermes+ footprint. 21 Calculated with pivot arm length 200 mm, label height 100 mm, print speed 100 mm/s

Stroke applicators 4014, 4016

to apply labels on packaging or products in real time. Depending from the type of pad, the product is either in motion or not in motion during printing. The labels can be applied from all sides.

The pad's position is in front of the peel-off plate. The label is held during the printing. A stroke cylinder applies the label on the product. A sensor detects the product and directs the pad back to its initial position. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.



Labels are applied on flat, even

Tamp pad

recessed, surfaces



Universal pad

Labels are pressed onto flat surfaces. Pre-drilled holes to suck the labels are provided in distances of 5 mm and are covered by a sliding film. They are opened with a punching tool according to the label size. Two films are included in delivery as substitution.



5.8

Tamp pad spring-mounted

Labeling on surfaces with an inclination of up to 15° is enabled by a spring-mounted suction plate. Vertical deviation may be up to 10 mm within the label area.



Universal pad spring-mounted

Labeling on surfaces with an inclination of up to 15° is enabled by a spring-mounted suction plate. Vertical deviation may be up to 10 mm within the label area. Pre-drilled holes to suck the labels are provided in distances of 5 mm and are covered by a sliding film. Two films are included in delivery as substitution.

			Tamp pad	Universal pad	Tamp pad spring-mounted	Universal pad spring-mounted
Technical dat	а	Туре	4014, 4016 L/R 11 F	4014 L/R 1100	4014, 4016 L/R 3100	4014 L/R 3100
Label width	Hermes+ 4	mm	20-114	75 / 90	80-114	116 / 116
Label height Product during la	Hermes+ 6	mm	50 - 174	-	80-174	-
Label height	Hermes+ 4	mm	20-210	60 / 90	80-210	102 / 152
D I I I I I	Hermes+ 6	mm	25-210	- 80-210		-
Product during	glabeling	not in motion				
Labeling on the product		from top				
0 1		from below				
		from the side				
Product height	1	variable				
Product distan	ce to lower edg	e of device				
at cylinder stro	oke 200	up to mm	135	135	130	130
	300	up to mm	235	235	230	230
	400	up to mm	335	335	330	330
Pad immersion	n depth F ¹⁾	up to mm	120	-	-	-
Compressed ai	ir	bar			4.5	
Cycle time ²⁾		approx. labels/min			25	

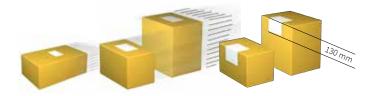
¹⁾With applicator immersion depths higher than 25 mm the cover of Hermes⁺ has to be modified.

²⁾ Calculated with 100 mm stroke below the device, label height 100 mm, print speed 100 mm/s

Stroke applicators 4014, 4016

to apply labels on packaging or products in real time. Depending from the type of pad, the product is either in motion or not in motion during printing. The labels can be applied from all sides.

The pad's position is in front of the peel-off plate. The label is held during the printing. A stroke cylinder applies the label on the product. A sensor detects the product and directs the pad back to its initial position. The length of the stroke cylinder defines the maximum distance between the peel-off plate and the product.







Blow pad

in case of pressure-sensitive surfaces or when products in motion are processed. Air jet blows the label onto the product.

5 - 10 mm distance to the product surface can be adjusted at the stroke cylinder with a stop.



5.8

Roll-on pad Labels are rolled on flat product surfaces in motion.



Corner-wrap pad

Labels are applied on two adjacent sides of the product. The tamp pad applies half of the label on the top side of the product, then the second half is rolled on.

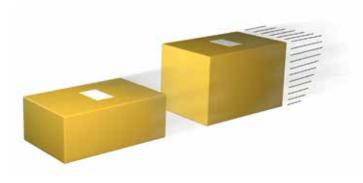
			Blow pad	Roll-on pad	Corner-wrap pad	
Technical dat	a		4014 L/R 2100	4014, 4016 L/R 4100	4014 L/R 5100	
Label width	Hermes+ 4	mm	20-114	25-114	20-114	
	Hermes ⁺ 6	mm	-	50-174	-	
Label height	Hermes ⁺ 4	mm	20-100	80-250	60 - 210	
Product during l	Hermes ⁺ 6	mm	n - 80-250		-	
Product during	glabeling	not in motion	4014 L/R 2100 4014, 4016 L/R 4100 4014 L/R 5100 20-114 25-114 20-114 - 50-174 - 20-100 80-250 60-210			
		in motion			-	
Labeling on the product		from top				
		from below			-	
		from the side			-	
Product height	t	steady			-	
		variable	-			
Product distar	nce to lower edge	e of device				
at cylinder stro	oke 200	up to mm	140	160	100	
	300	up to mm	240	260	200	
	400	up to mm	340	360	300	
Compressed a	ir	bar		4.5		
Cycle time ¹⁾		approx. labels/min	25	20	20	

¹⁾Calculated with 100 mm stroke below the device, label height 100 mm, print speed 100 mm/s

Stroke blow applicator 4614

to apply labels on packages of different heights in motion in real time. The labels can be applied from all sides.

The pad's position is in front of the peel-off plate. The label is held during the printing. By means of a sensor, the pad is moved to approximately 10 mm above the product by the stroke cylinder. The length of the stroke cylinder defines the maximum difference in height between the packages.







Blow pad

5.9

With 5 - 10 mm distance to the product surface air jet blows the labels onto the product.

			Blow pad
Technical data	3	Туре	4614 L/R 2100
Label width	Hermes ⁺ 4	mm	20-114
	Hermes+ 6	mm	on request
Label height	Hermes ⁺ 4	mm	20-100
	Hermes+ 6	mm	on request
Product during	glabeling	not in motion	
		in motion	
Labeling on th	Labeling on the product		
		from below	
		from the side	
Product height	t	steady	
		variable	
Product distan		ge of device	
at cylinder stro	oke 200	up to mm	140
	300	up to mm	240
	400	up to mm	340
Compressed a	ir	bar	4.5
Cycle time ¹⁾		approx. labels/min	25

¹⁾ Calculated with 100 mm stroke below the device, label height 100 mm, print speed 100 mm/s

Demand module 5114

for serial labeling applications in motion. With the rewind assist roller the label position is adjusted at the dispenser tongue.

The labels can be applied from all sides. Printing and labeling is done simultaneously. The speed of the conveyor belt has to be adapted to the print speed.



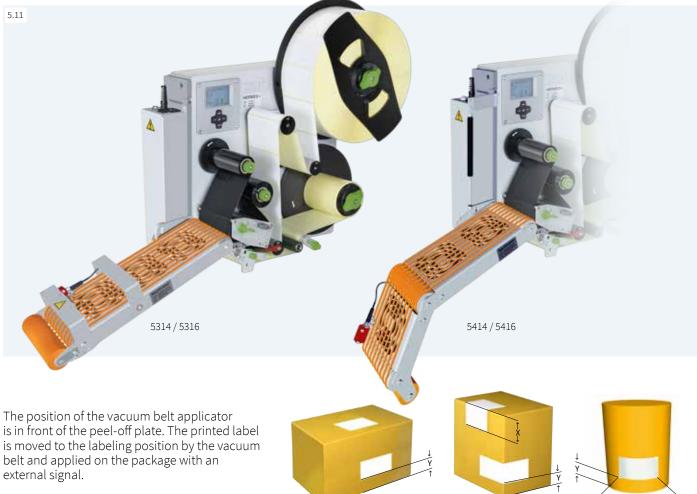


		Demand module
Technical data	Туре	5114 L/R
Label width Hermes+ 4	mm	25-114
Label height	mm	25 - 250
Distance from print line to peel-off plate	mm	400 - 600
Product during labeling	in motion	
Labeling on the product	from top	
	from below	
	from the side	
Product height	steady	
Product distance to lower edge of device	e mm	80
Product speed	mm/s	needs to coincide with the print speed / 50-250 in steps of 25
Cycle time ¹⁾	approx. labels/min	60

 $^{\scriptscriptstyle 1)}$ Calculated with label height 100 mm, print speed 100 mm/s

Vacuum belt applicators 5314, 5316 and 5414, 5416

to apply labels on packaging or products in motion in real time. The labels can be applied from all sides on a flat surface, a cylinder resp. corner-wrap.



max. 150°

		Vacuum belt applicator						
Technical data	Туре	5314-3	5316-3	5414-3	5416-3			
Labeling		On the	surface	On the surface, a cyli	nder and corner-wrap			
Dispensing to			left	and right				
Label width Hermes+ 4	mm	20 - 114	-	20 - 114	-			
Hermes+ 6	mm	-	46 - 174	-	46 - 174			
Label height	mm	60 - 356	60 - 356	80 - 356	80 - 356			
Product during labeling	in motion							
Labeling on the product	from top							
	from below			-	-			
	from the side							
Product height	steady							
	variable							
Product speed	up to m/s	0.5	0.5	0.3	0.3			
Gap from one product to the next	not less than m			0.5				
Stability at application level		-	-	F = 30 N	F = 30 N			
Corner-wrap labeling	up to mm	-	-	Parameter X = 160	Parameter X = 160			
Vacuum belt speed ¹⁾	mm/s		5	0 - 500				
Cycle time ²⁾	up to labels/min	30	30	15	15			
Label distance to conveyor belt when labeling from the side	mm		Paran	neter Y = 20				

¹⁾ The product speed has to be higher than the vacuum belt speed. / ²⁾ Calculated with label height 100 mm, print speed 250 mm/s

Air jet box 6014

For fast real-time labeling of packaging or products in motion. Preferred method is to apply the labels from top. Labels are sucked with a fan and blown off by nozzels via powerful air jet. Distance from lower edge of the device to the product is, according to the label size, up to 100 mm.

<image>



Blow module

Pre-drilled holes provide suction and blow capabilities. The blow tubes are aligned on the pad based on the label size. The outer area around the label is covered with film. The blow box pad may be easily exchanged for different label sizes.



		Air jet box
Technical data	Туре	6014 L/R
Label width Hermes ⁺ 4	mm	50-114
Label height	mm	50-150
Product during labeling	not in motion	
	in motion	
Labeling on the product	from top	
	from the side	
Product height	variable	
Product distance to lower edge	mm	10 - 100
Compressed air	bar	4.5
Cycle time ¹⁾	approx. labels/min	60

¹⁾ Calculated with label height 80 mm

Overview of accessories

				■ Standard □ Option
Her	mes+ extra equipment	Hermes+2	Hermes+4	Hermes+6
2.1	Cover (only with label rolls up to outside diameter 205 mm)			
2.2	External operation panel			
2.3	Standard keyboard DE			
2.4	Memory card CompactFlash Type I			
2.5	Product sensor 25 pin, to connect Hermes ⁺			
2.6	Product sensor 3 pin, to connect a front side applicator, vacuum belt applicator, air jet box	-		-
2.7	I/O interface connector			
2.8	Warning light			
2.9	Circular connector 3 pin M8 / 4 pin M8			
2.10	Extended peel-off plate +10 mm			
2.11	Margin stop			
Inte	rfaces			
3.1	Centronics bi-directional according to IEEE 1284			
3.2	RS422 / RS485 1,200 to 230,400 baud/8 bit			
3.3	Label selection - I/O box			
3.4	I/O interface adapter			
Con	necting cables			
4.1	Connecting cable RS232-C, 9/9 pin, length 3 m			
4.2	Patch cable CAT5e, length 3 m, grey			

Арр	licators extra equipment Type	30	32	40	41	42	44	45	46	60
5.13	Blow tube									
5.14	Air pressure regulation unit									
5.15	Air pressure regulation unit with main valve									
5.16	Air pressure regulation unit with shut-off valve									
5.17	Compressed air regulator	-						-	-	-

Mounting equipment	Hermes ⁺ 2	Hermes ⁺ 4	Hermes+6
6.1 Adapter plate			
6.2 Profile 40 / 80 / 120 mm - customized length			
6.3 Base plate 500 x 255 mm			-
6.4 Mounting plate			
6.5 Bracket			
6.6 Clamped joint for profile 50 x 50 mm			
6.7 Flanged joint for profile 50 x 50 mm			
6.8 Floor stand 1601			
6.9 Floor stand 1602			
Software			
7.1 JScript direct programming			
7.2 Replace files and integration in SAP R/3			
7.3 abc Basic Compiler			
7.4 Printer control in Intranet und Internet			
7.5 Database Connector			
Label software cablabel S3 Lite			
7.6 Label software cablabel S3 Pro			
Label software cablabel S3 Print			
7.7 Network Manager			
7.8 Printer drivers Windows			
7.9 Printer drivers Apple Mac OS X, Linux			
7.10 Programming manual			

Extra equipment, interfaces, connecting cables

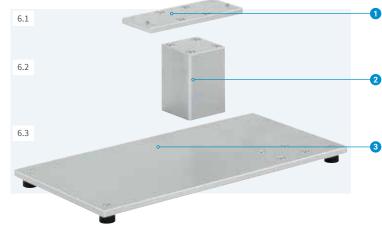
Extra equipmen	t Hermes ⁺	Interfaces	
2.1	Cover to protect from dirt and accidental contact. With applicator immersion depths higher than 25 mm the cover has to be modified;	3.1	Centronics bi-directional according to IEEE 1284
	approved for vertical installation	Re la companya de la	RS422 / RS485 1,200 to 230,400 baud/8 bit
2.2	External operation panel If the operation panel is not accessible after printer installation, an external one can be additionally connected. A slot to plug-in a CompactFlash Type 1 memory card and a USB host interface are also in place.	3.3	Label selection - I/O box Via a master control, for example PLC, up to 16 different labels can be selected from the memory card.
2.3	Standard keyboard DE USB connection, 115 keys	3.4	I/O interface adapter to adapt the 15 pin connector of a Hermes A system to the 25 pin connector of Hermes ⁺
2.4		Connecting cable	S
	Memory card CompactFlash Type I to store label formats, fonts, text and graphics; readable and writable in the printer or at a PC	4.1	Connecting cable RS232-C 9/9 pin, length 3 m
2.5	Product sensor 25 pin	4.2	Patch cable CAT5e Length 3 m, grey
	to connect Hermes ⁺ ; if a product has been	Extra equipment	applicators
	detected, for example on a conveyor belt, labeling is started	5.13	Blow tube
2.6	Product sensor 3 pin to connect a front side applicator, vacuum belt applicator, air jet box; if a product has been detected, for example on a conveyor belt, labeling is started	5.14	Air pressure regulation unit to be mounted directly at Hermes ⁺ or the bracket; default setting 4.5 bar
2.7	I/O interface connector with screw terminals to connect all control signals at the Hermes ⁺ I/O interface	5.15	Air pressure regulation unit with main valve If the apply system is integrated in a unit, compressed air needed by the applicator can be externally switched on and off; default setting 4.5 bar
2.8	Warning light	•	only if combined with an E-stop
	In addition to the display, the warning light	5.16	
	indicates the printer status:RedError printer or labelerYellowPre-warning end of ribbonGreenDevice switched on		Air pressure regulation unit with shut-off valve for fully venting the hose lines next to the air pressure regulation unit when the air jet box 6014 is in use
	It is mounted directly at the printer, the bracket or anywhere else within the working area; connecting cable: length 1 m	5.17	Compressed air regulator
2.9	Circular connector 3 pin M8 / 4 pin M8		to reduce the tamp force of stroke applicators
2.10	Extended peel-off plate +10 mm for labels that are hard to remove; available on request		
2.11	Margin stop to guide material if narrow labels are processed		

Mounting equipment

Mounting foot

to assemble a Hermes⁺ on a table or within a production line. It is available in a left and right hand version. If needed, the size of the mounting foot can be tailored to the application.





Adapter plate

The apply system can be fixed on the adapter plate. It may also be mounted with the adapter plate and the profile directly in the production line.

2 Profile

Aluminum square profile, standard lengths 40, 80, 120 mm; customized lengths are possible on request

Base plate

to fix the printer holder; standard length 500 x 255 mm



Mounting plate

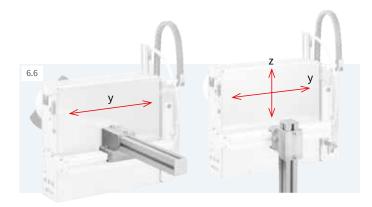
to fix the label printer directly in the production line

Mounting equipment



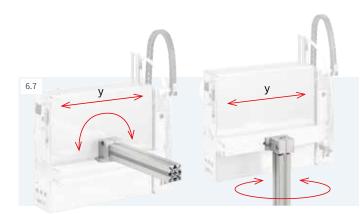
Bracket

to assemble Hermes+ at the floor stand



Clamped joint for profile 50 x 50 mm

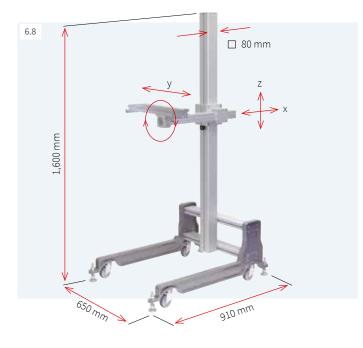
to move the apply system in horizontal and vertical direction

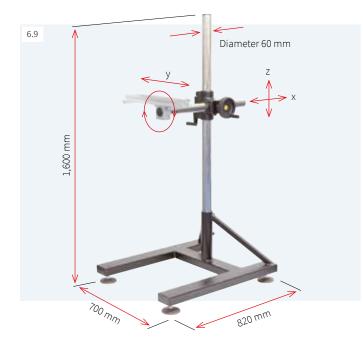


Flanged joint for profile 50 x 50 mm

to move the apply system in horizontal direction and rotate it around one axis

Floor stands





Floor stands help with installing all Hermes⁺ print and apply systems in a production line. By means of the adjustability the Hermes+ can be arranged in three axes to the product that has to be labeled. Rotation is also possible.

Floor stand 1601

Preferred use is with applications in different production lines. The floor stand is moveable and can be aligned with adjustable feet at the place of application.

		Floor stand
Technical data	Туре	1601
Base frame		Guide rollers and adjustable feet
Adjustment of height and depth		Screw terminals
Load in case of offset 500 mm	up to kg	50
Weight	kg	36

Floor stand 1602

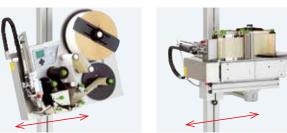
Preferred use is with applications in which the heights and depths of the labeling position have to be changed frequently. By means of the toothed rack construction Hermes+ can be arranged in x and z direction to the product.

		Floor stand
Technical data	Туре	1602
Base frame		Adjustable feet
Adjustment of height of depth		Toothed rack / Crank Toothed rack / Handwheel
Load in case of offset 500 mm	up to kg	50
Weight	kg	38

Samples for printer assembly

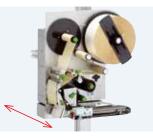
Labeling in direction of transport from top

from the side

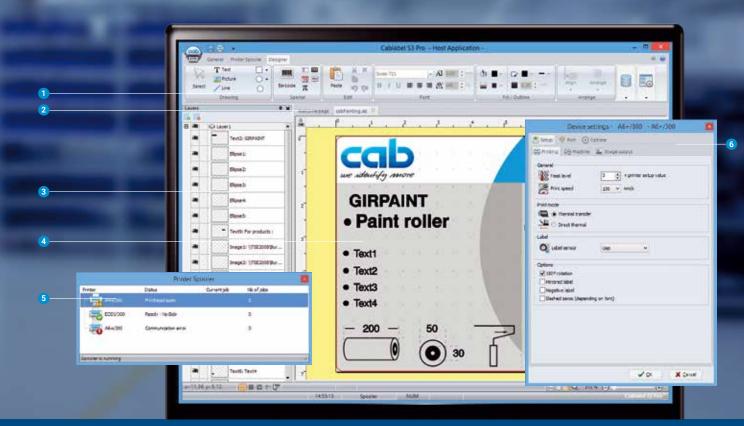


Labeling crosswise direction of transport from top from the side





Label software cablabel S3



The intuitive cablabel S3 user interface provides different date formats, mathematical or logic functions.

Toolbar

to create different label objects

2 Tabs

to quickly switch from one running label design to another

3 Layers to manage different label objects

Designing, printing, monitoring with cablabel S3

cablabel S3 opens up the full potential of cab devices.

First of all the label must be designed. Only when it comes to printing it has to be decided whether the label shall be processed on a label printer, a print and apply or marking laser system.

cablabel S3 is of a modular design which makes it adaptable to requirements step by step. To support functions like native JScript programming elements such as the JScript Viewer are embedded as plug-ins. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated.

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

4 Designer

Label display in WYSIWYG mode to simplify the design

OPPRIME Printer Spooler

to monitor all print jobs and printer status

Orivers

to manage settings and the communication with devices

Printing in stand-alone operation

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

The label has to be designed with a software such as cablabel S3 or by direct programming with a text editor on a PC. Label formats, texts, graphics as well as database contents are saved or read on a memory card, a USB memory stick or in the internal IFFS storage.

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

Printer drivers

To control the printer with a software other than cablabel S3, cab provides drivers in 32 / 64 bit for operating systems starting from Windows Vista, Mac OS X 10.6 and Linux with CUPS 1.2.

cab Label Printe

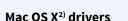
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Barcode Fonte		Command Fonts			International		
Custom Commande			Import/Export settings			About	
Options	Advanced Setup		p Othering Sta		da	Printer Memory	
Settings	an statement of the state					A 1997 A 1992 A 1998	
N	lo. Of Copies:	I					
Speed Darkness Stocks:		175 • mm/s		m/s			
		• •					
		User defined 🔹					
	07134						

Windows¹⁾ drivers

cab printer drivers are certified according to WHQL. They ensure optimum stability on the Windows operating system.



cab provides CUPS-based printer drivers for Mac OS X applications.

11 1.

www.inews.com

LabelSemon:	Cap Sensar	1
Gap-Size(mm):	1	
Cap-52+(1/10-mm)		
D Mitter Labet		
D Patale Label 100		
C aprove Papersent		

Linux drivers

Noting Parameter

🗇 Manufes Print

Linux drivers are CUPS-based

eral Pagetietup Test.Editor Job Color Adva

8.9

Drivers are offered on the DVD delivered with the printer and for free download at www.cab.de/en/support

Printer programming

J H 100 O R S l1;0,0,68,70,100 T 10, 10,0,5,pt20;sample B 10,20,0,EAN-13,SC2,401234512345 G 8,3.5,0;R:30,9,0.3;0.3

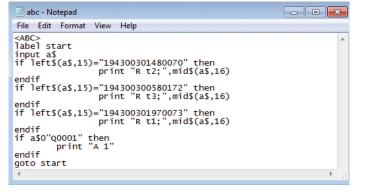
A 1

Job Start Speed (100 mm / s) Orientation rotated by 180° Size of label (100x68 mm, gap 2 mm) Text object/font: Swiss bold, 20 pt Barcode EAN 13; size SC 2 Graphic, box 30 x 9 mm, Line weight 0,3 mm Number of labels (in this example 1)



JScript

To control the printer cab has developed the embedded programming language JScript. See manual for free download at www.cab.de/en/programming



ABC abc Basic Compiler

In addition to JScript and as an integral part of the firmware it allows advanced printer programming before data are sent to printout. For example, external printer languages can be replaced without interfering in the current print job.

Also data from other systems such as a scale, a barcode scanner or PLC can be integrated.



Printer integration

		P [®] Me Vendor Pr		er
Create labels with software	>	Transfer replace file into SAPScript	>	Exchange of variable data with SAPScript and printout



Printer Vendor Program

As a partner in SAP's¹ Printer Vendor Program cab has developed a replace method to enable easy control of a cab printer via SAPScript from SAP R/3. Only variable data is sent to the printer by the host. Pictures and fonts that priorly had been stored in the local memory (IFFS, memory card, etc.) are merged.

DBConnector configuration	(e)	
ile Iools Help		
Status RUNNING	i v	ew log
Main Printer association Remote trigger		
Connection string Provider=MSDASQL	Persist Security Info-False, Data Source-CHEMICAL	
	1 Dove 800	(1.14
		-

Database Connector

Printers connected to a network may directly access data from a central ODBC- or OLEDB-ready database and print it on a label. While printing, data can be rewritten to the database.

Printer administration

🕽 Status 📔 Setup 🗍 Å System meusages	Printer status line [.A Fonts	\$P Devices 7 Help
	Ferrieure V3.32 (May 15.2913)	Internet Bar
Temperature 31 °C (CPU 40 °C)	Beetcade: 21.19 (Mar 13 2008)	Ready
Operative time 29703h 24min		
Thermatibanater 6448 791m		344 mm
Dates		Brost Brit Up

Bevice Ioolo Options Ho	ip.					
B 🖪 🔿 🛛	0 An []	14	1 1			
-	Name	Group	Tipe	Address	Status	Pin
192,168,100,48 192,168,100,54	998	(mm ²)-1	cab A4+/300	192 168 100.48	Ready	6-0
			cab XC4/300	192.168.100.72	Readr	0~1



Configuration in Intranet and Internet

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



one single location.

Network Manager

It is possible to simultaneously manage several printers within the network. Control, configuration, firmware updates, memory card administration, data synchronization and PIN administration are supported from

Delivery program printers

os.		Part no.	Devices L	Part no.	Wear parts	Part no.	Wear parts	Part no.	Wear parts
	1.1	5955502	Label printer Hermes+ 2L/300-2	5954105.001	Print head 2/300	5054103-001	Drint colleg DD2	F0C101F 001	Danuia a sellar 700
		5955503	Label printer Hermes ⁺ 2L/600-2	5958686.001	Print head 2/600	5954102.001	Print roller DR2	5961015.001	Drawing roller ZR2
	1.2	5955504	Label printer Hermes+ 4L/200-2	5954081.001	Print head 4/203				
1 6		5955505	Label printer Hermes ⁺ 4L/300-2	5954072.001	Print head 4/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR4
22	,	5955506	Label printer Hermes ⁺ 4L/600-2	5954077.001	Print head 4/600				
8. P	•	5955507 5955508	Label printer Hermes ⁺ 4.3L/200-2 Label printer Hermes ⁺ 4.3L/300-2	5954085.001 5954089.001	Print head 4.3/203 Print head 4.3/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR4
	1.3	5955509	Label printer Hermes ⁺ 6L/200-2	5954217.001	Print head 6/203	5954245.001	Print roller DR6	5961220.001	Drawing roller ZR
		5955510	Label printer Hermes+ 6L/300-2	5956322.001	Print head 6/300	5554245.001	FIIII IOUEI DRO	5961220.001	Diawing Totler 2K
	1.1	5961410	Label printer Hermes ⁺ 2L/300-3	5954105.001	Print head 2/300	5954102.001	Print roller DR2	5961015.001	Drawing roller ZR
		5961411	Label printer Hermes+ 2L/600-3	5958686.001	Print head 2/600	5554102.001	FIIII IOUEI DKZ	5901015.001	Diawing Totler 2R.
6	1.2	5955511	Label printer Hermes ⁺ 4L/200-3	5954081.001	Print head 4/203				
H (17		5955512	Label printer Hermes ⁺ 4L/300-3	5954072.001	Print head 4/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
	P	5955513	Label printer Hermes ⁺ 4L/600-3	5954077.001	Print head 4/600				
		5955514 5955515	Label printer Hermes ⁺ 4.3L/200-3 Label printer Hermes ⁺ 4.3L/300-3	5954085.001 5954089.001	Print head 4.3/203 Print head 4.3/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
	1.3	5955516	Label printer Hermes ⁺ 6L/200-3	5954217.001	Print head 6/203				D : II 7D
		5955517	Label printer Hermes ⁺ 6L/300-3	5956322.001	Print head 6/300	5954245.001	Print roller DR6	5961220.001	Drawing roller ZR
os.		Part no.	Devices R	Part no.	Wear parts	Part no.	Wear parts	Part no.	Wear parts
	1.1	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 ZR
	1.2	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 4/203 Print head 4/300 Print head 4/600	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
9. H		5955757 5955758	Label printer Hermes ⁺ 4.3R/200-2 Label printer Hermes ⁺ 4.3R/300-2	5954085.001 5954089.001	Print head 4.3/203 Print head 4.3/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
	1.3	5955759 5955760	Label printer Hermes ⁺ 6R/200-2 Label printer Hermes ⁺ 6R/300-2	5954217.001 5956322.001	Print head 6/203 Print head 6/300	5954245.001	Print roller DR6	5961220.001	Drawing roller ZR
	1.1	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 ZR
2:	1.2	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 4/203 Print head 4/300 Print head 4/600	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
		5955764 5955765	Label printer Hermes ⁺ 4.3R/200-3 Label printer Hermes ⁺ 4.3R/300-3	5954085.001 5954089.001	Print head 4.3/203 Print head 4.3/300	5954180.001	Print roller DR4	5961298.001	Drawing roller ZR
	1.3	5955766 5955767	Label printer Hermes ⁺ 6R/200-3 Label printer Hermes ⁺ 6R/300-3	5954217.001 5956322.001	Print head 6/203 Print head 6/300	5954245.001	Print roller DR6	5961220.001	Drawing roller ZR

Pos.	Part no.	Device options
	595xxxx.201	Label printer Hermes ⁺ with cover ¹⁾
	595xxxx.202	Label printer Hermes ⁺ with ribbon saver ²⁾
100	595xxxx.203	Label printer Hermes ⁺ with cover ¹⁾ and ribbon saver ²⁾
	On request	Roll core diameter 40 mm only with label printers Hermes ⁺ 2 and Hermes ⁺ 4
	5961406	Adapter for core diameter 50 mm
		"x" - choose device from Pos. 1.1-1.3

Type code		
Label printer Hermes+		4L/200-2
Label width	58 mm 114 mm 174 mm	2 4 6
Dispensing to	left right	
Printable resolution	203 dpi 300 dpi 600 dpi	200 300
for label roll outside diameter for label roll outside diameter		2 3

 $^{\rm 1)}$ Maximum label roll outside diameter 205 mm $^{\rm 2)}$ Only with Hermes+ 4 and Hermes+ 6

With tamp pad immersion depths higher than 25 mm, the cover of Hermes⁺ has to be modified.

Scope of delivery

	Label printer Power cable Type E+F, Connecting cable USB, Operator's manual DE,	length 1,8 m	
DVD:	Operator's manual DE / EN / FR Configuration manual DE / EN / FR Service manual DE / EN Spare parts list DE / EN Programming manual EN WHOL certified Windows printer drivers for		
	Windows Vista		
	Windows 7	Server 2008 R2	
		Server 2012	
	Windows 8.1	Server 2012 R2	
		Server 2016	
	Label software cablabel S3 Lite		
	Label software cablabel S3 Viewer		

Delivery program applicators and transfer modules

Pos.		Part no.	Applicators L		Part no.	Transfer modules	
5.1		5970075	Swing applicator	3214L-40	xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad	3214L-11 F W×H 3214L-12 F W×H 3214L-61 F W×H 3214L-2100 W×H
5.2	53	5966109 5966110 5966111	Stroke applicator Stroke applicator Stroke applicator	4114L-200 4114L-300 4114L-400	XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad Form pad	4114L-11F W×H 4114L-12F W×H 4114L-61F W×H 4114L-2100 W×H 4114L-8800 W×H
0.2		5971795 5972016 5972017	Stroke applicator Stroke applicator Stroke applicator	4116L-200 4116L-300 4116L-400	xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Form pad	4116L-11F W×H 4116L-12F W×H 4116L-61F W×H 4116L-8800 W×H
5.3		5966117 5966118 5966119	Stroke turn applicator Stroke turn applicator Stroke turn applicator	4214L-200 4214L-300 4214L-400	XXXXXXX XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad	4214L-11 F W x H 4214L-12 F W x H 4214L-61 F W x H 4214L-2100 W x H
5.4		5966133 5966134 5966135	Stroke applicator Stroke applicator Stroke applicator	4414L-200 4414L-300 4414L-400	XXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop	4414L-11 F W x H 4414L-12 F W x H 4414L-61 F W x H
5.5		5971625 5966168 5971640	Swing stroke applicator Swing stroke applicator Swing stroke applicator	4514L-200 4514L-300 4514L-400	****	Blow pad	4514L-2100 W×H
5.6		5971815	Flag applicator	4712L-300			
5.7		5970100 5970101 5970102	Front side applicator Front side applicator Front side applicator	3014L-200 3014L-300 3014L-400	****** ******* ******	Tamp pad Tamp pad spring-mounted Blow pad	3014L-1100 W×H 3014L-3100 W×H 3014L-2100 W×H
5.1		5970103 5970104 5970105	Front side applicator Front side applicator Front side applicator	3016L-200 3016L-300 3016L-400	XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted	3016L-1100 W×H 3016L-3100 W×H
		5966101 5966102 5966103	Stroke applicator Stroke applicator Stroke applicator	4014L-200 4014L-300 4014L-400	5966147 5966148 5966149 5966150	Universal pad Universal pad Universal pad spring-mounted Universal pad spring-mounted	4014L-1100 75 × 60 4014L-1100 90 × 90 4014L-3100 116 × 102 4014L-3100 116 × 152
5.8	2				xxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxxx	Tamp pad Blow pad Tamp pad spring-mounted Roll-on pad Corner-wrap pad	4014L-11 F W x H 4014L-2100 W x H 4014L-3100 W x H 4014L-4100 W x H 4014L-5100 W x H / H
		5966161 5966162 5966163	Stroke applicator Stroke applicator Stroke applicator	4016L-200 4016L-300 4016L-400	XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Roll-on pad	4016L-11 F W x H 4016L-3100 W x H 4016L-4100 W x H
5.9		5971720 5971725 5971730	Stroke blow applicator Stroke blow applicator Stroke blow applicator	4614L-200 4614L-300 4614L-400	*****	Blow pad	4614L-2100 W x H
5.10	ster.	5966144	Demand module	5114L			
5.11	-	5972730 5972750	Vacuum belt applicator Vacuum belt applicator	5314L-3 5316L-3			
		5972940 5972920	Vacuum belt applicator Vacuum belt applicator	5414L-3 5416L-3			
5.12		5971582	Air jet box	6014L	5971581 xxxxxxx	Blow module Blow module	6014 L/R universal 6014L W x H configured

Delivery program applicators and transfer modules

Pos.		Part no.	Applicators R		Part no.	Transfer modules	
5.1		5971655	Swing applicator	3214R-40	****** ******* *******	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad	3214R-11F W×H 3214R-12F W×H 3214R-61F W×H 3214R-2100 W×H
5.2		5966113 5966114 5966115	Stroke applicator Stroke applicator Stroke applicator	4114R-200 4114R-300 4114R-400	XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad Form pad	4114R-11F W×H 4114R-12F W×H 4114R-61F W×H 4114R-2100 W×H 4114R-8800 W×H
		5972018 5972019 5972020	Stroke applicator Stroke applicator Stroke applicator	4116R-200 4116R-300 4116R-400	XXXXXXX XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Form pad	4116R-11F W×H 4116R-12F W×H 4116R-61F W×H 4116R-8800 W×H
5.3	N.C.	5966121 5966122 5966123	Stroke turn applicator Stroke turn applicator Stroke turn applicator	4214R-200 4214R-300 4214R-400	XXXXXXX XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop Blow pad	4214R-11 F W X H 4214R-12 F W X H 4214R-61 F W X H 4214R-2100 W X H
5.4		5966137 5966138 5966139	Stroke applicator Stroke applicator Stroke applicator	4414R-200 4414R-300 4414R-400	XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Tamp pad with label stop	4414R-11 F W x H 4414R-12 F W x H 4414R-61 F W x H
5.5		5966950 5971460 5971700	Swing stroke applicator Swing stroke applicator Swing stroke applicator	4514R-200 4514R-300 4514R-400	****	Blow pad	4514R-2100 W x H
F 7	Ĺ	5970106 5970107 5970108	Front side applicator Front side applicator Front side applicator	3014R-200 3014R-300 3014R-400	XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Blow pad	3014R-1100 W×H 3014R-3100 W×H 3014R-2100 W×H
5.7	See 1	5970109 5970110 5970111	Front side applicator Front side applicator Front side applicator	3016R-200 3016R-300 3016R-400	XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted	3016R-1100 W×H 3016R-3100 W×H
		5966105 5966106 5966107	Stroke applicator Stroke applicator Stroke applicator	4014R-200 4014R-300 4014R-400	5966140 5966141 5966142 5966143	Universal pad Universal pad Universal pad spring-mounted Universal pad spring-mounted	4014R-1100 75 x 60 4014R-1100 90 x 90 4014R-3100 116 x 102 4014R-3100 116 x 152
5.8					****** ******* ******* *******	Tamp pad Blow pad Tamp pad spring-mounted Roll-on pad Corner-wrap pad	4014R-11 F W X H 4014R-2100 W X H 4014R-3100 W X H 4014R-4100 W X H 4014R-5100 W X H / H
		5966165 5966166 5966167	Stroke applicator Stroke applicator Stroke applicator	4016R-200 4016R-300 4016R-400	XXXXXXX XXXXXXX XXXXXXX	Tamp pad Tamp pad spring-mounted Roll-on pad	4016R-11F W×H 4016R-3100 W×H 4016R-4100 W×H
5.9		5971735 5971740 5971745	Stroke blow applicator Stroke blow applicator Stroke blow applicator	4614R-200 4614R-300 4614R-400	хххххх	Blow pad	4614R-2100 W×H
5.10	-	5966145	Demand module	5114R			
	4	5972740 5972760	Vacuum belt applicator Vacuum belt applicator	5314R-3 5316R-3			
5.11		5972950 5972930	Vacuum belt applicator Vacuum belt applicator	5414R-3 5416R-3			
5.12		5971577	Air jet box	6014R	5971581 xxxxxxx	Blow module Blow module	6014 L/R universal 6014R W x H configured

 $\boldsymbol{xxxxxxx}$ - user specific part no. following request

Delivery program accessories

Pos.		Part no.	Hermes+ extra	equipment
	D	5961000.001 5961070.001 5961193.001	Cover 2L Cover 4L Cover 6L	With tamp pad immersion depths
2.1	<u> </u>	5961190.001 5961187.001 5961196.001	Cover 2R Cover 4R Cover 6R	higher than 25 mm, the cover of Hermes ⁺ has to be modified.
2.2		5954380	External operation	on panel
2.3		5901626	Standard keybo	ard DE
2.4		5561043	Memory card Co	mpactFlash Type I
2.5	F	5964300	Product sensor 2	25 pin
2.6	F	5970071	Product sensor 3	3 pin
2.7		5917651	I/O interface cor SUB-D, 25 pin	nector
2.8		5961237.001	Warning light	
2.9		5918092 5918003	Circular connector 3 pin M8 Circular connector 4 pin M8	
2.10		5961625 5961624 5961658	Extended peel-off plate Hermes ⁺ 2 Extended peel-off plate Hermes ⁺ 4 Extended peel-off plate Hermes ⁺ 6	
2.11	\mathbf{O}	5961650	Margin stop	
Pos.		Part no.	Interfaces	
3.1		5954200 Centronics		
3.2	R	5954201	RS422 / RS485	
3.3	\mathcal{A}	5948205	Label selection - I/O-Box	
3.4	in the second se	5961349	I/O interface adapter	
Pos.		Part no.	Connecting cal	oles
4.1		5550818	Connecting cable RS232-C 9/9 pin, length 3 m	
4.2	\bigcirc	5918008	Patch cable CAT	5e, length 3 m, grau
Pos.		Part no.	Applicators ext	ra equipment
5.13		5964277.001 5964095.001 5964614.001	Blow tube 2" Blow tube 4" Blow tube 6"	
5.14	*	5955735	Air pressure regu	Ilation unit L
5.14	-	5955736	Air pressure regu	Ilation unit R

Pos.		Part no.	Applicators extra equipment
5.15	ľ,	5955737	Air pressure regulation unit L with additional main valve
5.15	Î	5955738	Air pressure regulation unit R with additional main valve
		5971556	Air pressure regulation unit L with shut-off valve
5.16		5971559	Air pressure regulation unit R with shut-off valve
5.17		596xxxx.212	Compressed air regulator
Pos.		Part no.	Mounting equipment
6.1	-	5965940	Adapter plate
6.2	U	on request	Profile (customized length)
6.3		5961203	Base plate 500 x 255 mm
6.4		5958400	Mounting plate
6.5		5955685	Bracket
6.6	3.	8914443	Clamped joint for profile 50 x 50 mm
6.7	St.	8914444	Flanged joint for profile 50 x 50 mm
6.8		5970113	Floor stand 1601
6.9		5970112	Floor stand 1602
Pos.		Part no.	Software
		5588000	Label software cablabel S3 Lite
7.6		5588001 5588100 5588101 5588150 5588151 5588152 5588002	cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 additional licence cablabel S3 Pro 4 additional licences cablabel S3 Pro 9 additional licences cablabel S3 Print 1 WS cablabel S3 Print 5 WS
		5588105 5588106 5588155 5588156 5588157 In preparation	cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 1 additional licence cablabel S3 Print 4 additional licences cablabel S3 Print 9 additional licences cablabel S3 Print Server
7.10		9008486	Programming manual EN, printed copy

Services

Well-trained cab service engineers worldwide support in the maintenance and repair of the devices.

Send your printer to a cab service center or a cab service partner selected by us. Your device will be checked and repaired within few workdays. If requested, a loan device will be offered.

You prefer maintenance and repair on-site in your company? Then make an appointment with our Services Department:

Phone +49 721 6626 300, Email: service.de@cab.de

Trainings

Enhance your know-how on cab devices with regard to an effective use, service and repair.

In Karlsruhe we offer trainings on the handling of the devices, label design, software, printer drivers, programming, database access as well as on how to integrate in networks or superior ERP systems. We gladly send you detailed information on all our current training offers on request.

Individually we offer trainings according to your specific demands - in Karlsruhe or on-site in your company.





cab Product overview

Label printers MACH1, MACH2 in the lower price segment



Label printers SQUIX 2 Industrial device for print widths up to 57 mm



Label printers XD4T for double-sided printing



Print modules PX to be integrated in labeling machines



Label dispensers HS, VS for horizontal or vertical dispense



Label printers MACH 4S where little space is available



Label printers SQUIX 4 Industrial device for print widths up to 108 mm



Label printers XC



Labels made from more than 400 materials



Labeling heads IXOR to be integrated in labeling machines



Label printers EOS1 Desktop device for label rolls up to diameter 152 mm



Label printers SQUIX 6.3 Industrial device for print widths up to 168 mm



Print and apply systems Hermes⁺ for automation



Ribbons in wax, resin and resin/wax qualities



Marking lasers FL+ with output powers 10 to 50 Watt



Label printers EOS4 Desktop device for label rolls up to diameter 203 mm



Label printers A8+ Industrial device for print widths up to 216 mm



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



Label software cablabel S3 Design, print, control



Laser marking systems for industrial solutions

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