Products need labeling
Print and apply systems

Hermes+
Made in Germany
Please note: Hermes+ was discontinued on December 31, 2019. Manufacture has been switched step by step to HERMES Q. Repairs of Hermes+ are guaranteed at least until December 2025, so are spare parts deliveries.

**Hermes+**
for automatic printing and labeling in production lines

### The slim one
for small labels

<table>
<thead>
<tr>
<th>Label printer</th>
<th>Hermes+ 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printable resolution</td>
<td>dpi</td>
</tr>
<tr>
<td>Print speed</td>
<td>up to mm/s</td>
</tr>
<tr>
<td>Print width</td>
<td>up to mm</td>
</tr>
<tr>
<td>Label roll outside diameter</td>
<td>mm</td>
</tr>
<tr>
<td>Label width</td>
<td>up to mm</td>
</tr>
</tbody>
</table>

In case of liner 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 universal one
The best-selling industrial device with a wide range of accessories.

<table>
<thead>
<tr>
<th>Label printer</th>
<th>Hermes+ 4</th>
<th>Hermes+ 4.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printable resolution</td>
<td>dpi</td>
<td>203</td>
</tr>
<tr>
<td>Print speed</td>
<td>up to mm/s</td>
<td>250</td>
</tr>
<tr>
<td>Print width</td>
<td>up to mm</td>
<td>104</td>
</tr>
<tr>
<td>Label roll outside diameter</td>
<td>mm</td>
<td>205 / 305</td>
</tr>
<tr>
<td>Label width</td>
<td>up to mm</td>
<td>114</td>
</tr>
</tbody>
</table>

### The wide one
for Odette, UCC and GS1 labels in applications in logistics

<table>
<thead>
<tr>
<th>Label printer</th>
<th>Hermes+ 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printable resolution</td>
<td>dpi</td>
</tr>
<tr>
<td>Print speed</td>
<td>up to mm/s</td>
</tr>
<tr>
<td>Print width</td>
<td>up to mm</td>
</tr>
<tr>
<td>Label roll outside diameter</td>
<td>mm</td>
</tr>
<tr>
<td>Label width</td>
<td>up to mm</td>
</tr>
</tbody>
</table>
Label reels and rolls

**Hermes+ 2**
- Label reel diameter 205 mm

**Hermes+ 2, 4, 6**
- Label roll diameter 205 mm
- Label roll diameter 305 mm

Directions of label demand

**Hermes+ L**
- to the left

**Hermes+ R**
- to the right

Protective cover

**Hermes+ 2, 4, 6**
- For roll diameters up to 205 mm

Sample applications

**PCB labeling**

**Package labeling**

**Container labeling**
Details

1. **Large graphic display**
   White backlight provides optimum readability. Depending on the orientation of assembly, the display can be rotated in steps of 90°.

2. **Navigator pad**
   Allows simple, interactive menu control. Only applicable functions are displayed by the day and night design. In conjunction with the graphic display, navigation is made easy to understand.

3. **Ribbon holder**
   Three-part tightening axles allows the ribbon to be exchanged quickly and easily.

4. **Rugged metal chassis made of cast aluminum**
   Basis to assemble all components.

5. **Applicator assembly**
   The applicator is attached to hinge pins and can be easily removed for maintenance.

6. **Print positioning**
   After inserting a new label roll, print positioning occurs automatically after few labels. The reference value remains even when the device is switched off.

7. **Print head**
   To be exchanged in few steps. Adjustments and settings are easy to make.

8. **Automatic ribbon saving**
   In case labels are printed only partially. Along blank areas, the print head is lifted and ribbon feed interrupts while label feed continues.

9. **Label unwinder**
   The swing lever and the integral brake enable labels to be unwound with constant tension.

10. **Liner rewinder**
    After all labels have been demanded, the liner of the label roll is fully rewound. The tightening axle allows the roll to be removed easily.

11. **Feed system**
    The ball bearing transport rollers ensure highly accurate printing and a precise feed.

**Direction of label demand**
All Hermes+ devices with applicators are provided as left hand or right hand version.
Interfaces on the back of the device

1. for a CompactFlash Type I memory card
2. Ethernet 10/100 Mbit/s
3. 2 x USB Master to connect a Service Key, keyboard, barcode scanner, external operation panel
4. USB 2.0 Slave to connect a PC
5. RS232C 1,200 to 230,400 baud/8 bit
6. for the ON/OFF valve of the compressed air regulation unit to switch on or off compressed air supply
7. Digital I/O interface; 25 pin SUB-D socket connector
   Compliant with IEC/EN 61131-2, type 1+3
   all inputs and outputs are galvanically isolated and protected from reverse polarity. In addition, outputs are short circuit protected.

Inputs PNP
Start printing or applying
Reprint
Label feed
Delete print job
Pause
Label removed
Reset
Stop printing or applying
Print first label
Label rotation 90°
(Applicator 4214)

Outputs PNP; NPN on request
Ready status
Print data available
Paper feed ON
Pre-warning to end of ribbon
Pre-warning to end of label roll
Error signal end of ribbon
Error signal end of label roll
Label in demand position
Initial position / upper end
Labeling position / lower end
Common alarm

8. for an external e-stop
   In conjunction with an ON/OFF valve plugged in, it allows compressed air supply to be interrupted in the event of danger.

9. for warning light

Examples of warning light assembly

Warning light
In addition to the display, it indicates the printer status.

Red       Printer or applicator error
Yellow    Pre-warning to end of ribbon
Green     Device switched ON

Delivery includes a connecting cable and material to assemble to the chassis or the bracket.

Length of connecting cable 1 m
## Technical data

<table>
<thead>
<tr>
<th></th>
<th>Hermes* 2</th>
<th>Hermes* 4.3</th>
<th>Hermes* 4</th>
<th>Hermes* 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printing method</strong></td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td><strong>Thermal transfer</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Thermal direct</strong></td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td><strong>Printable resolution dpi</strong></td>
<td>300</td>
<td>600</td>
<td>203</td>
<td>300</td>
</tr>
<tr>
<td><strong>Print speed up to mm/s</strong></td>
<td>150</td>
<td>100</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td><strong>Print width up to mm</strong></td>
<td>54.2</td>
<td>57</td>
<td>104</td>
<td>108.4</td>
</tr>
<tr>
<td><strong>Labels</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper, PET, PE, PP, PI, PVC, acrylate, Tyvec on roll</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Thickness mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight g/m²</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width mm</td>
<td>4 - 58</td>
<td>10 - 114</td>
<td>8 - 320</td>
<td>24 - 118</td>
</tr>
<tr>
<td>Liner material(^2) width Roll mm</td>
<td>24 - 62</td>
<td>24 - 118</td>
<td>54 - 178</td>
<td></td>
</tr>
<tr>
<td>Roll Outside diameter up to mm</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Core diameter standard mm</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Variable length up to m</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Ribbon inside or outside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ink side</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roll diameter up to mm</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Core diameter mm</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Variable length up to m</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Width mm</td>
<td>60</td>
<td>114</td>
<td>165</td>
<td></td>
</tr>
<tr>
<td>Automatic saving</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printer dimensions and weights</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width mm</td>
<td>207</td>
<td>260</td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>Height with label roll diameter 205 mm mm</td>
<td>400</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth with label roll diameter 205 mm mm</td>
<td>538</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight kg</td>
<td>15</td>
<td>16</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td><strong>Label sensor with position indication</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gap sensor for labels print marks in transparent materials and end of material</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Reflective sensor from below or top for print marks in not transparent materials and end of material</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Distance sensor to locating edge mm</td>
<td>2 - 26</td>
<td>2 - 47</td>
<td>2 - 47</td>
<td></td>
</tr>
<tr>
<td><strong>Electronics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Processor 32 bit clock rate MHz</td>
<td></td>
<td></td>
<td>266</td>
<td></td>
</tr>
<tr>
<td>Main storage (RAM) MB</td>
<td></td>
<td></td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>Data storage (IFFS) MB Flash</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Slot for CompactFlash Type I memory card</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery for time and date, real-time clock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Error signal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interfaces</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centronics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS232C 1,200 to 230,400 baud/8 bit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB 2.0 Slave to connect a PC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethernet 10/100 Mbit/s</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS422/RS485 1,200 to 230,400 baud/8 bit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2x USB Master for external operation panel, keyboard, barcode scanner, Service Key</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warning light</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital I/O interface</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applicator</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External e-stop</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON/OFF valve of compressed air regulation unit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested. \(^2\) In case of liner 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. \(^3\) The ribbon should at least correspond with the width of the liner material.
## Technical data

### Operating data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>100-240 VAC, 50/60 Hz, PFC</td>
</tr>
<tr>
<td>Power consumption up to</td>
<td>300 W</td>
</tr>
<tr>
<td>Temperature / Operation</td>
<td>5 - 40°C / 10 - 85% not condensing</td>
</tr>
<tr>
<td>Humidity</td>
<td>0 - 60°C / 20 - 85% not condensing</td>
</tr>
<tr>
<td>Storage</td>
<td>-25 - 60°C / 20 - 85% not condensing</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE, FCC class A, CB, CCC, c UL</td>
</tr>
</tbody>
</table>

### Setup options

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>Time</td>
</tr>
<tr>
<td>Date</td>
<td>Date has to be set when device is unplugged</td>
</tr>
<tr>
<td>Analog and digital clock</td>
<td></td>
</tr>
<tr>
<td>25 languages</td>
<td></td>
</tr>
<tr>
<td>System settings</td>
<td></td>
</tr>
<tr>
<td>Print parameters</td>
<td>Print parameters</td>
</tr>
<tr>
<td>Interfaces</td>
<td></td>
</tr>
<tr>
<td>Safety</td>
<td></td>
</tr>
</tbody>
</table>

### Display information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data reception</td>
<td>Time, Calendar, abc debug, Input buffer</td>
</tr>
<tr>
<td>Ethernet</td>
<td></td>
</tr>
<tr>
<td>Memory in use</td>
<td></td>
</tr>
<tr>
<td>Print head temperature</td>
<td></td>
</tr>
<tr>
<td>Memory card access</td>
<td></td>
</tr>
<tr>
<td>Ribbon supply</td>
<td></td>
</tr>
</tbody>
</table>

### Monitoring

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>End of ribbon</td>
<td></td>
</tr>
<tr>
<td>End of label roll</td>
<td></td>
</tr>
<tr>
<td>Print head open</td>
<td></td>
</tr>
</tbody>
</table>

### Test routines

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>System diagnostics</td>
<td>when device is switched on, print head detection included</td>
</tr>
<tr>
<td>Information display</td>
<td>Fonts list, type overview, WLAN status, label profile, test grid, monitor mode, PPP status</td>
</tr>
<tr>
<td>status printout, analysis</td>
<td></td>
</tr>
<tr>
<td>Status reports</td>
<td>- Printout of system settings, for example print lengths and running times</td>
</tr>
<tr>
<td></td>
<td>- System status request via software command</td>
</tr>
<tr>
<td></td>
<td>- Information display of, for example, network error, missing link, barcode error, etc.</td>
</tr>
</tbody>
</table>

### Fonts

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Font types</td>
<td>5 bitmap fonts including OCR-A, OCR-B and 3 vector fonts Swiss 721, Swiss 721 Bold, Monospac 821 are provided internally, TrueType fonts may be stored</td>
</tr>
<tr>
<td>Character sets</td>
<td>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, K08-R</td>
</tr>
<tr>
<td></td>
<td>All West and East European, Latin, Cyrillic, Greek, Hebrew and Arabic characters, Chinese and Thai are supported.</td>
</tr>
<tr>
<td>Bitmap fonts</td>
<td>Size in width and height 1-3 mm</td>
</tr>
<tr>
<td></td>
<td>Zoom factor 2 to 10</td>
</tr>
<tr>
<td></td>
<td>Orientation 0°, 90°, 180°, 270°</td>
</tr>
<tr>
<td>Vector / TrueType fonts</td>
<td>Size in width and height 0,9-128 mm</td>
</tr>
<tr>
<td></td>
<td>Variable zoom</td>
</tr>
<tr>
<td></td>
<td>Orientation 360° in steps of 1°</td>
</tr>
<tr>
<td>Font styles</td>
<td>Bold, italic, underlined, outline, inverse</td>
</tr>
<tr>
<td></td>
<td>depending on the font type</td>
</tr>
<tr>
<td>Character spacing</td>
<td>Variable</td>
</tr>
</tbody>
</table>

### Graphics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphic elements</td>
<td>Lines, arrows, rectangles, circles, ellipses</td>
</tr>
<tr>
<td></td>
<td>- filled and filled with fading</td>
</tr>
<tr>
<td>Graphic formats</td>
<td>PCX, IMG, BMP, TIF, MAC, GIF, PNG</td>
</tr>
</tbody>
</table>

### Barcodes

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear</td>
<td>Code 39, Code 93</td>
</tr>
<tr>
<td></td>
<td>Code 39 Full ASCII</td>
</tr>
<tr>
<td></td>
<td>Code 128 A, B, C</td>
</tr>
<tr>
<td></td>
<td>EAN 8, 13</td>
</tr>
<tr>
<td></td>
<td>EAN/UC 128/GS1-128</td>
</tr>
<tr>
<td></td>
<td>EAN/EAN 50 Appendix 2</td>
</tr>
<tr>
<td></td>
<td>EAN/EAN Appendix 5</td>
</tr>
<tr>
<td></td>
<td>FIM</td>
</tr>
<tr>
<td></td>
<td>HIBC</td>
</tr>
<tr>
<td>2D und Stacked</td>
<td>DataMatrix</td>
</tr>
<tr>
<td></td>
<td>QR code</td>
</tr>
<tr>
<td></td>
<td>Micro PDF 417</td>
</tr>
<tr>
<td></td>
<td>UPS MaxiCode</td>
</tr>
<tr>
<td></td>
<td>GS1 DataBar</td>
</tr>
<tr>
<td></td>
<td>Aztec</td>
</tr>
<tr>
<td></td>
<td>Codablock F</td>
</tr>
<tr>
<td></td>
<td>RSS 14 truncated, limited, stacked, stacked omni-directional</td>
</tr>
<tr>
<td></td>
<td>EAN/GS1 DataMatrix</td>
</tr>
<tr>
<td></td>
<td>All codes are variable as regards height, modular width and ratio; orientations 0°, 90°, 180°, 270°</td>
</tr>
<tr>
<td></td>
<td>optional check digit, plain text printout and start / stop code depending on the type of code</td>
</tr>
</tbody>
</table>

### Software

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label software</td>
<td>cablabel S3 Lite</td>
</tr>
<tr>
<td></td>
<td>cablabel S3 Viewer</td>
</tr>
<tr>
<td></td>
<td>cablabel S3 Pro</td>
</tr>
<tr>
<td></td>
<td>cablabel S3 Print</td>
</tr>
<tr>
<td></td>
<td>running also with CODEROFF</td>
</tr>
<tr>
<td></td>
<td>NiceLabel</td>
</tr>
<tr>
<td></td>
<td>BarFender</td>
</tr>
<tr>
<td>Stand-alone operation</td>
<td></td>
</tr>
<tr>
<td>WHQL certified</td>
<td></td>
</tr>
<tr>
<td>Windows printer drivers</td>
<td>Windows Vista</td>
</tr>
<tr>
<td></td>
<td>Windows 7</td>
</tr>
<tr>
<td></td>
<td>Windows 8</td>
</tr>
<tr>
<td></td>
<td>Windows 8.1</td>
</tr>
<tr>
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<td>Windows 10</td>
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<td>Server 2016</td>
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<td></td>
<td>Server 2019</td>
</tr>
<tr>
<td>Apple Mac OS X printer drivers</td>
<td>from version 10.6</td>
</tr>
<tr>
<td>Linux printer drivers</td>
<td>from CUPS 1.2</td>
</tr>
<tr>
<td>Programming</td>
<td>Printer language JScript</td>
</tr>
<tr>
<td></td>
<td>abc Basic Compiler</td>
</tr>
<tr>
<td>Integration</td>
<td>SAP</td>
</tr>
<tr>
<td></td>
<td>Database Connector</td>
</tr>
<tr>
<td>Administration</td>
<td>Printer control</td>
</tr>
<tr>
<td></td>
<td>Configuration in Intranet and Internet</td>
</tr>
<tr>
<td></td>
<td>Network Manager</td>
</tr>
</tbody>
</table>

## Standard  □ Option
Label software cablabel S3

Designing, printing, administrating
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 marker 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

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 stored on a memory card, a USB memory stick or in the internal IFFS memory.

Only variable data are sent to the printer via a keyboard, a barcode scanner, scales or other host systems and/or recalled by the Database Connector from the host and printed.
Printer control

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 10.6 and Linux with CUPS 1.2.

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

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

- **Linux drivers**
  - Linux drivers are CUPS-based.

Drivers are offered on the DVD delivered with the printer and for free download at [www.cab.de/en/support](http://www.cab.de/en/support).

Programming

- **JScript**
  - To control the printer, cab has developed the embedded programming language JScript. See manual for free download at [www.cab.de/en/programming](http://www.cab.de/en/programming).

- **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.

Integration

- **Printer Vendor Program**
  - As a partner in SAP's 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 are sent to the printer by the host. Pictures and fonts that had priorly been stored in the local memory (IFFS, memory card, etc.) are merged.

Printer administration

- **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 SMTP client datagram sends status, warning and error messages to administrators and users. Time and date are synchronized by a time server.

- **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 one single location.

- **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.

---

1) Windows is a registered trademark of Microsoft Corporation
2) MAC OS X is a registered trademark of Apple Computer, Inc.
3) Only for device series SQUIX (except of SQUIX MT), MACH 4S, EOS, Hermes+ and PX
4) SAP and all corresponding logos are trademarks or registered trademarks of SAP SE
Applicators

The Hermes+ have been designed for automatic printing and labeling in production lines. Various applicators are provided to roll, blow or tamp labels on products or packaging.

1. **Long service life**
   Precise and low-wear linear guidance with a ball bearing chain

2. **Variable product heights**
   The stroke cylinder allows labeling at different heights. It is available in lengths of 200, 300 and 400 mm as standard. Further lengths on request

3. **Protective cover**
   The cylinder and the guide are protected by a cover as standard. Protective covers adapted to the product jig are offered for labeling workstations.

4. **High process reliability**
   Supporting air, intake air and stroke speed are all adjustable. Monitoring is via sensors.

5. **Real-time labeling**
   Applicators for small and large labels; Label heights from 4 to 250 mm and label widths from 4 to 174 mm can be processed.

6. **Pivoting applicator**
   Access to the print mechanics in case of material exchange or maintenance is quick and easy.

7. **Pressure reducing valve**
   By its installation, the pressure of the stroke cylinder contacting the product is reduced.
## Overview of applicators and transfer modules

<table>
<thead>
<tr>
<th>Applicator</th>
<th>Hermes(^*)</th>
<th>Transfer module</th>
<th>Order code</th>
<th>11</th>
<th>11</th>
<th>12</th>
<th>61</th>
<th>21</th>
<th>88</th>
<th>32</th>
<th>32</th>
<th>41</th>
<th>51</th>
<th>—</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Swing applicator</td>
<td>3214</td>
<td>Universal pad</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
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<td>—</td>
</tr>
<tr>
<td>5.2 Stroke applicator</td>
<td>4114</td>
<td>Temp pad</td>
<td>4116</td>
<td>—</td>
<td>—</td>
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</tr>
<tr>
<td>5.3 Stroke turn applicator</td>
<td>4214</td>
<td>Temp pad with damping layer</td>
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<td>—</td>
<td>—</td>
<td>—</td>
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<td>—</td>
</tr>
<tr>
<td>5.4 Stroke applicator</td>
<td>4414</td>
<td>Temp pad with label stop</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
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</tr>
<tr>
<td>5.5 Swing stroke applicator</td>
<td>4514</td>
<td>Roll-up pad</td>
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<td>—</td>
<td>—</td>
<td>—</td>
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<tr>
<td>5.6 Flag applicator</td>
<td>4712</td>
<td>Corner-wrap pad</td>
<td>—</td>
<td>—</td>
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<tr>
<td>5.7 Front side applicator</td>
<td>3014</td>
<td>Peel-off plate</td>
<td>3016</td>
<td>—</td>
<td>—</td>
<td>—</td>
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</tr>
<tr>
<td>5.8 Stroke applicator</td>
<td>4014</td>
<td>Vacuum belt</td>
<td>4016</td>
<td>—</td>
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<td>—</td>
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</tr>
<tr>
<td>5.9 Stroke blow applicator</td>
<td>4614</td>
<td>Template</td>
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</tr>
<tr>
<td>5.10 Demand module</td>
<td>5114</td>
<td></td>
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<td>—</td>
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<td>—</td>
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</tr>
<tr>
<td>5.11 Vacuum belt applicator</td>
<td>5314 5316</td>
<td></td>
<td>5414 5416</td>
<td>—</td>
<td>—</td>
<td>—</td>
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<td>—</td>
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<td>—</td>
</tr>
<tr>
<td>5.12 Air jet box</td>
<td>6114</td>
<td></td>
<td>—</td>
<td>—</td>
<td>—</td>
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### Applicator type code

<table>
<thead>
<tr>
<th>Type</th>
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<tr>
<td>For label printer</td>
<td></td>
</tr>
<tr>
<td>Hermes(^*) 2</td>
<td>441</td>
</tr>
<tr>
<td>Hermes(^*) 4</td>
<td>2</td>
</tr>
<tr>
<td>Hermes(^*) 6</td>
<td>4</td>
</tr>
<tr>
<td>Direction of label demand</td>
<td></td>
</tr>
<tr>
<td>left</td>
<td>L</td>
</tr>
<tr>
<td>right</td>
<td>R</td>
</tr>
<tr>
<td>Cylinder stroke</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>6</td>
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<td>300</td>
<td>7</td>
</tr>
<tr>
<td>400</td>
<td>8</td>
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<td>500</td>
<td>9</td>
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<td>600</td>
<td>10</td>
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<tr>
<td>700</td>
<td>11</td>
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<tr>
<td>800</td>
<td>12</td>
</tr>
<tr>
<td>on request</td>
<td></td>
</tr>
</tbody>
</table>

\(F\) Allows the tamp pad to immerse into the surface within the area of the label.

For detailed immersion depths see the applicator’s technical data.
Product marking

Swing applicator 3214

for precise real-time labeling of very small to mid-sized labels. The labels are preferably applied on the side of the product.

The pad is positioned in front of the peel-off plate. The label is held during printing. A rotary cylinder swings in labeling position. The stroke cylinder applies the label on the product. Rotary angle and linear stroke are adjustable.

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

Blow pad
for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product.

5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>3214 L/R 11 F</th>
<th>3214 L/R 12 F</th>
<th>3214 L/R 61 F</th>
<th>3214 L/R 2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width Hermes+ 2 mm</td>
<td>4 - 58</td>
<td>10 - 58</td>
<td>10 - 58</td>
<td>10 - 58</td>
</tr>
<tr>
<td>Label width Hermes+ 4 mm</td>
<td>10 - 114</td>
<td>10 - 114</td>
<td>10 - 114</td>
<td>10 - 80</td>
</tr>
<tr>
<td>Label height Hermes+ 2 mm</td>
<td>5 - 80</td>
<td>8 - 80</td>
<td>5 - 80</td>
<td>10 - 80</td>
</tr>
<tr>
<td>Label height Hermes+ 4 mm</td>
<td>8 - 80</td>
<td>8 - 80</td>
<td>8 - 80</td>
<td>10 - 80</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product labeling</td>
<td>in motion</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product distance to peel-off plate mm</td>
<td>250 - 280</td>
<td>5 - 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizontal linear guidance</td>
<td></td>
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<tr>
<td>Pivot angle</td>
<td>45° - 95°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immersion depth pad F</td>
<td>up to mm</td>
<td>30</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cycle time1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Stroke applicators 4114, 4116**

for precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

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

**Accessories**

5.13 *Blow tube*

5.14 *Compressed air regulation unit*

5.15 *Compressed air regulation unit with ON/OFF valve*

5.17 *Pressure reducing valve*

**Tamp pad**

Labels are precisely tamped on plain surfaces, even recessed.

**Tamp pad with damping layer**

With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

**Tamp pad with label stop**

In case of small labels, the stop provides precise positioning on the product.

**Blow pad**

for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product.

5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

### Technical data

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Tamp pad</th>
<th>Tamp pad with damping layer</th>
<th>Tamp pad with label stop</th>
<th>Blow pad</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4114, 4116 L/R 11 F</td>
<td>4114, 4116 L/R 12 F</td>
<td>4114, 4116 L/R 61 F</td>
<td>4114 L/R 2100</td>
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<tr>
<td>Label width Hermes+ 2 mm</td>
<td>4 - 58</td>
<td>10 - 58</td>
<td>10 - 58</td>
<td>10 - 58</td>
</tr>
<tr>
<td>Label width Hermes+ 4 mm</td>
<td>10 - 114</td>
<td>10 - 114</td>
<td>10 - 114</td>
<td>10 - 114</td>
</tr>
<tr>
<td>Label height Hermes+ 2 mm</td>
<td>4 - 80</td>
<td>8 - 80</td>
<td>4 - 80</td>
<td>10 - 80</td>
</tr>
<tr>
<td>Label height Hermes+ 4 mm</td>
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<td>8 - 80</td>
<td>8 - 80</td>
<td>10 - 80</td>
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<tr>
<td>Label height Hermes+ 6 mm</td>
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<td>8 - 80</td>
<td>-</td>
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<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td>in motion</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Product labeling</td>
<td>from below</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>variable</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>10</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Horizontal short stroke cylinder</td>
<td>mm</td>
<td>10</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Product distance to lower edge of device at cylinder stroke 200 up to mm</td>
<td>135</td>
<td>135</td>
<td>135</td>
<td>140</td>
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<tr>
<td>Product distance to lower edge of device at cylinder stroke 300 up to mm</td>
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<td>240</td>
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<tr>
<td>Product distance to lower edge of device at cylinder stroke 400 up to mm</td>
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<td>335</td>
<td>335</td>
<td>340</td>
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<tr>
<td>Immersion depth pad F(^1) up to mm</td>
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<td>110</td>
<td>110</td>
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<tr>
<td>Compressed air bar</td>
<td>4.5</td>
<td>approx. labels/min</td>
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<td></td>
</tr>
<tr>
<td>Cycle time(^2)</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) In case the applicator’s immersion depth is more than 25 mm, the cover of Hermes+ has to be adapted.

\(^2\) Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s
Product marking

**Stroke applicators 4114, 4116**

For precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

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

**Accessories**

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF
5.17 Pressure reducing valve

**Form pad**

Labels are applied precisely to cylindric objects, oblique or curved surfaces. Curved form pads prevent from bubbling on very smooth and flat surfaces. With cylindric objects, 200° maximum label wrapping is possible.

---

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Form pad</th>
<th>4114, 4116 L/R 8800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes+ 2</td>
<td>mm</td>
<td>10 - 58</td>
</tr>
<tr>
<td>Hermes+ 4</td>
<td>mm</td>
<td>10 - 114</td>
</tr>
<tr>
<td>Hermes+ 6</td>
<td>mm</td>
<td>50 - 174</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>8 - 80</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td></td>
</tr>
<tr>
<td>Product labeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from top</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from the side</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product height</td>
<td>variable</td>
<td></td>
</tr>
<tr>
<td>Horizontal short stroke cylinder</td>
<td>mm</td>
<td>10</td>
</tr>
<tr>
<td>Product distance to lower edge of device at cylinder stroke</td>
<td>up to mm</td>
<td>135</td>
</tr>
<tr>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
<td>4.5</td>
</tr>
<tr>
<td>Cycle time1)</td>
<td>approx. labels/min</td>
<td>20</td>
</tr>
</tbody>
</table>

1) Calculated with stroke 100 mm below the device, label height 40 mm, print speed 100 mm/s
In case the height of the form pad is more than 25 mm, the cover of Hermes+ has to be adapted.
Product marking

Stroke turn applicator 4214

for precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

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

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve
5.17 Pressure reducing valve

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

Blow pad
for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product.

5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Tamp pad</th>
<th>Tamp pad with damping layer</th>
<th>Tamp pad with label stop</th>
<th>Blow pad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>Hermes* 2 mm</td>
<td>4 - 58</td>
<td>10 - 58</td>
<td>10 - 58</td>
</tr>
<tr>
<td></td>
<td>Hermes* 4 mm</td>
<td>4 - 80</td>
<td>10 - 80</td>
<td>10 - 80</td>
</tr>
<tr>
<td>Label height</td>
<td>Hermes* 2 mm</td>
<td>4 - 40</td>
<td>8 - 40</td>
<td>4 - 40</td>
</tr>
<tr>
<td></td>
<td>Hermes* 4 mm</td>
<td>8 - 40</td>
<td>8 - 40</td>
<td>8 - 40</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>from below</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>variable</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Horizontal rotary angle</td>
<td>90°, 0°</td>
<td>180° with label height up to 15 mm</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Product distance to lower edge of device at cylinder stroke 200</td>
<td>up to mm</td>
<td>135</td>
<td>135</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>300 up to mm</td>
<td>235</td>
<td>235</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>400 up to mm</td>
<td>335</td>
<td>335</td>
<td>335</td>
</tr>
<tr>
<td>Immersion depth pad F i</td>
<td>up to mm</td>
<td>65</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Compressed air bar</td>
<td></td>
<td></td>
<td></td>
<td>4.5</td>
</tr>
<tr>
<td>Cycle time ii</td>
<td>approx. labels/min</td>
<td></td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

1) In case the applicator’s immersion depth is more than 25 mm, the cover of Hermes* has to be adapted.
2) Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s
Product marking

**Stroke applicator 4414**

For very precise real-time labeling of very small to mid-sized labels. Adjustability in x and y directions provides exact positioning on the product. Labeling is possible from all sides.

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

**Accessories**

5.13 **Blow tube**
5.14 **Compressed air regulation unit**
5.15 **Compressed air regulation unit with ON/OFF valve**
5.17 **Pressure reducing valve**

**Tamp pad**

Labels are precisely tamped on plain surfaces, even recessed.

**Tamp pad with damping layer**

With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

**Tamp pad with label stop**

In case of small labels, the stop provides precise positioning on the product.

---

**Technical data**

<table>
<thead>
<tr>
<th>Tamp pad</th>
<th>Tamp pad with damping layer</th>
<th>Tamp pad with label stop</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Label width</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes+ 2</td>
<td>mm 4-58</td>
<td>10-58</td>
</tr>
<tr>
<td>Hermes+ 4</td>
<td>mm 10-114</td>
<td></td>
</tr>
<tr>
<td><strong>Label height</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes+ 2</td>
<td>mm 4-80</td>
<td>8-80</td>
</tr>
<tr>
<td>Hermes+ 4</td>
<td>mm 8-80</td>
<td></td>
</tr>
<tr>
<td><strong>Product during labeling</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not in motion</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Product labeling</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From top</td>
<td></td>
<td></td>
</tr>
<tr>
<td>From below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>From the side</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Product height</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variable</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Horizontal short stroke cylinder</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X direction mm</td>
<td>3-7</td>
<td></td>
</tr>
<tr>
<td>Y direction mm</td>
<td>11-15</td>
<td></td>
</tr>
<tr>
<td><strong>Product distance to lower edge of device</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>At cylinder stroke 200</td>
<td>up to mm</td>
<td>135</td>
</tr>
<tr>
<td>300</td>
<td>up to mm</td>
<td>235</td>
</tr>
<tr>
<td>400</td>
<td>up to mm</td>
<td>335</td>
</tr>
<tr>
<td><strong>Immersion depth pad</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>up to mm</td>
<td>90</td>
</tr>
<tr>
<td><strong>Compressed air</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bar</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td><strong>Cycle time</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approx. labels/min</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

1) In case the applicator’s immersion depth is more than 25 mm, the cover of Hermes+ has to be adapted.

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

Swing stroke applicator 4514

for real-time labeling on inner surfaces of profiles and pipes. The exact position on the product is set with a stop on the stroke cylinder. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. A rotary cylinder swings the pad to the labeling plane. The stroke cylinder moves the label to the demand position.

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve

Blow pad
With 5 to 10 mm distance to the product surface, air jet blows the labels onto the product.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Blow pad 4514 E/R 2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width Hermes* 2</td>
<td>mm</td>
</tr>
<tr>
<td>Label width Hermes* 4</td>
<td>mm</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
</tr>
<tr>
<td>from below</td>
<td></td>
</tr>
<tr>
<td>from the side</td>
<td></td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
</tr>
<tr>
<td>Vertical pivot angle</td>
<td>120°</td>
</tr>
<tr>
<td>Distance lower edge of device</td>
<td>up to mm</td>
</tr>
<tr>
<td>at cylinder stroke 200</td>
<td>100 mm</td>
</tr>
<tr>
<td>at cylinder stroke 300</td>
<td>150°</td>
</tr>
<tr>
<td>at cylinder stroke 400</td>
<td>200°</td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
</tr>
<tr>
<td>Cycle time¹</td>
<td>approx. labels/min</td>
</tr>
</tbody>
</table>

¹ Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s
² depending on the label height
Product marking

Flag applicator 4712

for precise real-time labeling on round materials such as cables, hoses, pipes, etc. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. It is moved by a stroke cylinder to the demand position. With the other cylinder, the label is guided around the round material via cam control. At first, it is precisely stuck at the ends and only then pressed to the round material. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Form pad</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4712 L 300</td>
</tr>
<tr>
<td>Label width Hermes+ 4 mm</td>
<td>60 - 100</td>
</tr>
<tr>
<td>Label height mm</td>
<td>10 - 50</td>
</tr>
<tr>
<td>Diameter mm</td>
<td>3 - 16</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
</tr>
<tr>
<td>Product labeling from top</td>
<td>■</td>
</tr>
<tr>
<td>Product labeling from bottom</td>
<td>■</td>
</tr>
<tr>
<td>vertically rotated from the side</td>
<td>■</td>
</tr>
<tr>
<td>Product height fixed</td>
<td>■</td>
</tr>
<tr>
<td>Product distance to lower edge of device min. mm at cylinder stroke 300 up to mm</td>
<td>70</td>
</tr>
<tr>
<td>Immersion depth tongs mm</td>
<td>55</td>
</tr>
<tr>
<td>Offset P up to mm</td>
<td>1.0 ²</td>
</tr>
<tr>
<td>Compressed air bar</td>
<td>4.5</td>
</tr>
<tr>
<td>Cycle time ²</td>
<td>approx. labels/min 15</td>
</tr>
</tbody>
</table>

¹ Calculated with print speed 100 mm/s
² depending on the label quality
Package marking

Front side applicators 3014, 3016

for real-time labeling on packaging in motion.
The labels are preferably applied to the front or back.
Labeling from top or from the side is possible.

The pad is positioned in front of the peel-off plate. The label is held during printing. The rotary cylinder applies the label on the packaging. A sensor detects the packaging and, when labeling has finished, moves back the pivot arm and pad to their initial position.

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve

Tamp pad

Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad spring-mounted

The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm.

Blow pad

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

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Tamp pad 3014, 3016 L/R 1100</th>
<th>Tamp pad spring-mounted 3014, 3016 L/R 3100</th>
<th>Blow pad 3014 L/R 2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>Hermes* 4 mm</td>
<td>25 - 114</td>
<td>80 - 114</td>
</tr>
<tr>
<td></td>
<td>Hermes* 6 mm</td>
<td>25 - 174</td>
<td>80 - 174</td>
</tr>
<tr>
<td>Label height</td>
<td>Hermes* 4 mm</td>
<td>8 - 250</td>
<td>80 - 250</td>
</tr>
<tr>
<td></td>
<td>Hermes* 6 mm</td>
<td>25 - 250</td>
<td>80 - 250</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td></td>
<td>from the front</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td></td>
<td>from the back</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Product height</td>
<td>variable</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Pivot arm length</td>
<td>mm</td>
<td>200 / 300 / 400</td>
<td>200 / 300 / 400</td>
</tr>
<tr>
<td>Pivot angle</td>
<td>—</td>
<td>0 - 90°</td>
<td>0 - 90°</td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
<td>4.5</td>
<td>4.5</td>
</tr>
<tr>
<td>Cycle time</td>
<td>approx. labels/min</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

1) Pivot arm length is defined as the accessible 90° label position (lower edge of the label) below the footprint of Hermes*.
2) Calculated with pivot arm length 200 mm, label height 100 mm, print speed 100 mm/s
Package marking

### Stroke applicators 4014, 4016

For real-time labeling on packaging or products. Depending on the type of pad, the product is either in motion or not in motion during labeling. Labeling is possible from all sides.

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

### Accessories

- **5.13** Blow tube
- **5.14** Compressed air regulation unit
- **5.15** Compressed air regulation unit with ON/OFF valve
- **5.17** Pressure reducing valve

### Tamp pad

Labels are precisely tamped on plain surfaces, even recessed.

### Universal pad

Labels are tamped on plain surfaces. Holes to suck the labels are pre-drilled in gaps of 5 mm and are covered by a sliding foil. They are opened with a punching tool, according to the label size. Delivery includes two foils for substitution.

### Tamp pad spring-mounted

The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm.

### Universal pad spring-mounted

The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm. Holes to suck the labels are pre-drilled in gaps of 5 mm and are covered by a sliding foil. Delivery includes two foils for substitution.

### Technical data

<table>
<thead>
<tr>
<th></th>
<th>4014, 4016 L/R 11 F</th>
<th>4014 L/R 1100</th>
<th>4014, 4016 L/R 3100</th>
<th>4014 L/R 3100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Label width</strong></td>
<td>Hermes® 4 mm</td>
<td>20 - 114</td>
<td>80 - 114</td>
<td>116 / 116</td>
</tr>
<tr>
<td></td>
<td>Hermes® 6 mm</td>
<td>50 - 174</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Label height</strong></td>
<td>Hermes® 4 mm</td>
<td>20 - 210</td>
<td>80 - 210</td>
<td>102 / 152</td>
</tr>
<tr>
<td></td>
<td>Hermes® 6 mm</td>
<td>25 - 210</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Product during labeling</strong></td>
<td>not in motion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Product labeling</strong></td>
<td>from top</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>from below</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Product height</strong></td>
<td>variable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Product distance to lower edge of device at cylinder stroke 200</strong></td>
<td>up to mm</td>
<td>135</td>
<td>135</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>up to mm</td>
<td>235</td>
<td>235</td>
<td>230</td>
</tr>
<tr>
<td></td>
<td>up to mm</td>
<td>335</td>
<td>335</td>
<td>330</td>
</tr>
<tr>
<td><strong>Immersion depth pad F</strong></td>
<td>up to mm</td>
<td>120</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Compressed air</strong></td>
<td>bar</td>
<td>4.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cycle time</strong></td>
<td>approx. labels/min</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

1) In case the applicator’s immersion depth is more than 25 mm, the cover of Hermes® has to be adapted.
2) Calculated with stroke 100 mm below device, label height 100 mm, print speed 100 mm/s
Package marking

**Stroke applicators 4014, 4016**

for real-time labeling on packaging or products. Depending on the type of pad, the product is either in motion or not in motion during labeling. Labeling is possible from all sides.

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

**Accessories**

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve
5.17 Pressure reducing valve

**Blow pad**

for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product.

5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

**Roll-on pad**

Labels are rolled on plain surfaces of the product during transport.

**Corner-wrap pad**

Labels are attached on two adjacent sides of the product. Half of the label is applied by the pad on the top side. Then the second half of the label is rolled on.

**Technical data**

<table>
<thead>
<tr>
<th></th>
<th>4014 L/R 2100</th>
<th>4014, 4016 L/R 4100</th>
<th>4014 L/R 5100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>Hermes* 4</td>
<td>20 - 114</td>
<td>25 - 114</td>
<td>20 - 114</td>
</tr>
<tr>
<td>Hermes* 6</td>
<td>50 - 174</td>
<td>60 - 210</td>
<td>-</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>Hermes* 4</td>
<td>20 - 100</td>
<td>80 - 250</td>
<td>60 - 210</td>
</tr>
<tr>
<td>Hermes* 6</td>
<td>80 - 250</td>
<td>80 - 250</td>
<td>-</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>in motion</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>from below</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>variable</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Product distance to lower edge of device at cylinder stroke 200</td>
<td>up to mm</td>
<td>140</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>up to mm</td>
<td>240</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>up to mm</td>
<td>340</td>
<td>300</td>
</tr>
<tr>
<td>Compressed air bar</td>
<td></td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>Cycle time&lt;sup&gt;1&lt;/sup&gt;</td>
<td>approx. labels/min</td>
<td>25 20 20</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup> Calculated with stroke 100 mm below device, label height 100 mm, print speed 100 mm/s
Package marking

Stroke blow applicator 4614

for real-time labeling of packaging of different heights in motion. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. Sensor controlled, the stroke cylinder moves the pad to a position approximately 10 mm above the packaging. The length of the stroke cylinder defines the maximum differences in height of the packages.

Accessories

5.13 Blow tube
5.14 Compressed air regulation unit
5.15 Compressed air regulation unit with ON/OFF valve

Blow pad

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

<table>
<thead>
<tr>
<th>Technical data</th>
<th>4614 L/R 2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width</td>
<td></td>
</tr>
<tr>
<td>Hermes+ 4 mm</td>
<td>20 - 114</td>
</tr>
<tr>
<td>Hermes+ 6 mm</td>
<td>on request</td>
</tr>
<tr>
<td>Label height</td>
<td></td>
</tr>
<tr>
<td>Hermes+ 4 mm</td>
<td>20 - 100</td>
</tr>
<tr>
<td>Hermes+ 6 mm</td>
<td>on request</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
</tr>
<tr>
<td></td>
<td>in motion</td>
</tr>
<tr>
<td>Product labeling</td>
<td></td>
</tr>
<tr>
<td>from top</td>
<td></td>
</tr>
<tr>
<td>from below</td>
<td></td>
</tr>
<tr>
<td>from the side</td>
<td></td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
</tr>
<tr>
<td></td>
<td>variable</td>
</tr>
<tr>
<td>Product distance to lower edge of device at cylinder stroke</td>
<td></td>
</tr>
<tr>
<td>200 up to mm</td>
<td>140</td>
</tr>
<tr>
<td>300 up to mm</td>
<td>240</td>
</tr>
<tr>
<td>400 up to mm</td>
<td>340</td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
</tr>
<tr>
<td></td>
<td>4.5</td>
</tr>
<tr>
<td>Cycle time1)</td>
<td>approx. labels/min</td>
</tr>
</tbody>
</table>

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

Demand module 5114

for serial labeling of packaging in motion. The label position on the peel-off tongue is adjusted with the adjustable rewind assist roller. Labeling is possible from all sides.

During labeling, the next label is printed simultaneously. The conveyor belt speed has to be adapted to the print speed.

### Technical data

<table>
<thead>
<tr>
<th>Technical data</th>
<th>5114 L/R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width Hermes+ 4</td>
<td>mm</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
</tr>
<tr>
<td>Print line distance to peel-off plate</td>
<td>mm</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>in motion</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
</tr>
<tr>
<td></td>
<td>from below</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
</tr>
<tr>
<td>Product height</td>
<td>fixed</td>
</tr>
<tr>
<td>Product distance to lower edge of device</td>
<td>mm</td>
</tr>
<tr>
<td>Product speed</td>
<td>mm/s</td>
</tr>
<tr>
<td>Cycle time(^1)</td>
<td>approx. labels/min</td>
</tr>
</tbody>
</table>

\(^1\) Calculated with label height 100 mm, print speed 100 mm/s
Package marking

Vacuum belt applicators 5314, 5316, 5414, 5416

for real-time labeling on packaging or products in motion. Labeling is possible from all sides on plain surfaces, cylinders resp. corner-wrap.

The vacuum belt applicator is positioned in front of the peel-off plate. The printed label is transferred by the vacuum conveyor belt to the demand position and labeled on the packaging by an external signal.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>5314-3</th>
<th>5316-3</th>
<th>5414-3</th>
<th>5416-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeling</td>
<td>on the surface</td>
<td>left and right</td>
<td>on the surface, a cylinder or corner-wrap</td>
<td></td>
</tr>
<tr>
<td>Direction of label demand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Label width</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hermes+ 4</td>
<td>mm</td>
<td>20 - 114</td>
<td>-</td>
<td>20 - 114</td>
</tr>
<tr>
<td>Hermes+ 6</td>
<td>mm</td>
<td>-</td>
<td>46 - 174</td>
<td>-</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
<td>60 - 356</td>
<td>60 - 356</td>
<td>80 - 356</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>in motion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product labeling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from top</td>
<td></td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>from below</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from the side</td>
<td></td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Product height</td>
<td></td>
<td>fixed</td>
<td>variable</td>
<td></td>
</tr>
<tr>
<td>Product speed</td>
<td>up to m/s</td>
<td>0.5</td>
<td>0.5</td>
<td>0.3</td>
</tr>
<tr>
<td>Gap between products</td>
<td>min. m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stability on application level</td>
<td></td>
<td></td>
<td></td>
<td>F₁ = 30 N</td>
</tr>
<tr>
<td>Corner-wrap labeling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacuum conveyor belt speed²</td>
<td>mm/s</td>
<td>100 - 500</td>
<td>100 - 500</td>
<td>100 - 300</td>
</tr>
<tr>
<td>Cycle time</td>
<td></td>
<td>30</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>Label distance to conveyor belt</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>when labeling from the side</td>
<td>mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>dimension Y = 20</td>
</tr>
</tbody>
</table>

¹ F = force required to swing the vacuum conveyor belt
² The product speed must be equal or higher than the vacuum conveyor belt speed.
³ Calculated with label height 100 mm, print speed 250 mm/s
Package marking

**Air jet box 6114**

for fast labeling in motion or not in motion. The labels are sucked by a fan and blown off by a powerful blast of air through aligned nozzles. The maximum distance from the packaging to the peel-off plate is 200 mm, depending on the label size.

**Accessories**

5.13 **Blow tube**

5.16 **Compressed air regulation unit with shut-off valve**

for fully venting the hose lines after the compressed air regulation unit; provided as left hand or right hand version.

**Template**

to cover the suction and air jet holes around the label

It is pre-scored in a hole pattern of 8 x 8 mm and can be easily adapted to the label size. By sliding in between the suction block and the slide bars, the area around the label is covered. Five templates are included in the scope of delivery.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Air jet box 6114 L/R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label width Hermes+ 4</td>
<td>mm</td>
</tr>
<tr>
<td>Label height</td>
<td>mm</td>
</tr>
<tr>
<td>Product during labeling</td>
<td>not in motion</td>
</tr>
<tr>
<td></td>
<td>in motion</td>
</tr>
<tr>
<td>Product labeling</td>
<td>from top</td>
</tr>
<tr>
<td></td>
<td>from below</td>
</tr>
<tr>
<td></td>
<td>from the side</td>
</tr>
<tr>
<td>Product height</td>
<td>variable</td>
</tr>
<tr>
<td>Product distance to peel-off plate</td>
<td>up to mm</td>
</tr>
<tr>
<td>Compressed air</td>
<td>bar</td>
</tr>
<tr>
<td>Cycle time (1)</td>
<td>up to labels/min</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50 -114 smaller sizes on request</td>
</tr>
<tr>
<td></td>
<td>50 -125 smaller sizes on request</td>
</tr>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

(1) Calculated with label height 50 mm, print speed 250 mm/s, blowing time 100 ms and a distance of 100 mm from the product to the peel-off plate.
### Overview of accessories

<table>
<thead>
<tr>
<th>Hermes+ accessories</th>
<th>Hermes+2</th>
<th>Hermes+4</th>
<th>Hermes+6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pos.</td>
<td>1.1</td>
<td>1.2</td>
<td>1.3</td>
</tr>
<tr>
<td>Extra equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.1 Cover</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.2 External operation panel</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.3 Standard keyboard DE</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.4 CompactFlash Type I memory card</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.5 Product sensor 25 pin to connect to Hermes+</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.6 Product sensor 3 pin to connect to a front side applicator, vacuum belt applicator, air jet box</td>
<td>-</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>2.7 I/O interface connector</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.8 Warning light</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.9 Circular connector</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.10 Extended peel-off plate +10 mm</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.11 Margin stop</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>2.12 Antistatic brush</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
</tbody>
</table>

### Interfaces, switches

<table>
<thead>
<tr>
<th></th>
<th>Hermes+2</th>
<th>Hermes+4</th>
<th>Hermes+6</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 Centronics</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>3.2 RS422/RS485</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>3.3 Label selection - I/O box</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>3.4 I/O interface adapter</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>3.5 Hand switch TR2</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>3.6 Foot switch</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

### Connecting cables

<table>
<thead>
<tr>
<th></th>
<th>Hermes+2</th>
<th>Hermes+4</th>
<th>Hermes+6</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Connecting cable RS232-C, 9/9 pin, length 3 m</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>4.2 Patch cable CAT5e, length 3 m, grey</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

### Mounting equipment

<table>
<thead>
<tr>
<th></th>
<th>Hermes+2</th>
<th>Hermes+4</th>
<th>Hermes+6</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1 Adapter plate</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.2 Profiles 40, 80, 120 mm</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.3 Base plate 500 x 255 mm</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>6.4 Mounting plate</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.5 Bracket</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.6 Clamped joint for profile 50 x 50 mm</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.7 Flanged joint for profile 50 x 50 mm</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.8 Floor stand 1601</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>6.9 Floor stand 1602</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

### Applicator accessories

<table>
<thead>
<tr>
<th></th>
<th>5.1</th>
<th>5.2</th>
<th>5.3</th>
<th>5.4</th>
<th>5.5</th>
<th>5.6</th>
<th>5.7</th>
<th>5.8</th>
<th>5.9</th>
<th>5.12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extra equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.13 Blow tube</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>5.14 Compressed air regulation unit</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>5.15 Compressed air regulation unit with ON/OFF valve</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
</tr>
<tr>
<td>5.16 Compressed air regulation unit with shut-off valve</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>■</td>
</tr>
<tr>
<td>5.17 Pressure reducing valve</td>
<td>-</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>☐</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### Hermes+ accessories

#### Extra equipment

| 2.1 | Cover | for label roll diameters up to 205 mm. To protect from dirt and contact. In case the applicator's immersion depth is more than 25 mm, the cover has to be adapted. Approved for vertical assembly. |
| 2.2 | External operation panel | If the operation panel is not accessible after printer installation, an external one can be additionally connected. A port to insert a CompactFlash Type I memory card as well as a USB host interface are also in place. |
| 2.3 | Standard keyboard DE | USB connected, 115 keys |
| 2.4 | CompactFlash Type I memory card | to store label formats, fonts, text and graphics. Readable and writable in the printer or on a PC |
| 2.5 | Product sensor 25 pin | to connect to Hermes+. In case a product has been detached, e.g. on a conveyor belt, labeling is started. |
| 2.6 | Product sensor 3 pin | to connect to a front side applicator, vacuum belt applicator or air jet box. In case a product has been detached, e.g. on a conveyor belt, labeling is started. |
| 2.7 | I/O interface connector | with clamping screws to connect all control signals to the I/O interface of Hermes+ |
| 2.8 | Warning light | In addition to the display, it indicates the printer status. Delivery includes a connecting cable and material to assemble to the chassis or the bracket. |

| 2.9 | Circular connector | in case wiring is provided by the customer; 3 pin M8 for the ON/OFF valve of the compressed air regulation unit 4 pin M8 for an external e-stop |
| 2.10 | Extended peel-off plate +10 mm | in case labels are hard to remove; on request |
| 2.11 | Margin stop | to guide small label materials |
| 2.12 | Antistatic brush | Particularly with plastic materials the electrostatic charge is discharged after printing. |

#### Interfaces, switches

| 3.1 | Centronics | bidirectional according to IEEE 1284 |
| 3.2 | RS422/RS485 | 1,200 to 230,400 baud/8 bit |
| 3.3 | Label selection - I/O box | Up to 16 different labels per box can be selected from the memory card. |
| 3.4 | I/O interface adapter | to adapt the 15 pin plug of Hermes A to the 25 pin plug of Hermes+ |
| 3.5 | Hand switch TR2 | to connect to the digital I/O interface |
| 3.6 | Foot switch | to connect to the digital I/O interface |

#### Connecting cables

| 4.1 | Connecting cable RS232-C | 9/9 pin, length 3 m |
| 4.2 | Patch cable CAT5e | length 3 m, grey |
Hermes+ mounting equipment

1. Adapter plate
   The labeling system is assembled to the adapter plate. It may also be assembled with the adapter plate to the profile directly in the production line.

2. Profile
   Aluminum square profile, standard lengths are 40, 80, 120 mm; customized lengths are possible

3. Base plate
   to assemble the product holder; standard size is 500 x 255 mm

Mounting plate
   to assemble Hermes+ directly in the production line

Bracket
   to assemble Hermes+ to the floor stand

Clamped joint for profile 50 x 50 mm
   to move the labeling system horizontally and vertically

Flanged joint for profile 50 x 50 mm
   to move the labeling system horizontally and rotate it around an axis
Hermes+ floor stands

They help to install Hermes+ in a production line. Thanks to the adjustment options, Hermes+ can be positioned in three axes to the product to be labeled. Pivoting is also possible.

**Floor stand 1601**

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

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Floor stand 1601</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base frame</td>
<td>Castors, adjustable feet</td>
</tr>
<tr>
<td>Height and depth adjustment</td>
<td>Screw clamping</td>
</tr>
<tr>
<td>Load in case of offset 500 mm</td>
<td>up to kg 50</td>
</tr>
<tr>
<td>Weight</td>
<td>kg 36</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Floor stand 1602</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base frame</td>
<td>Adjustable feet</td>
</tr>
<tr>
<td>Height adjustment</td>
<td>Toothed rack / crank</td>
</tr>
<tr>
<td>Depth adjustment</td>
<td>Toothed rack / handwheel</td>
</tr>
<tr>
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Examples of stand assembly

Labeling in direction of transport from top from the side

Labeling crosswise to the direction of transport from top from the side
Applicator accessories

5.13

Blow tube
supporting with air. To assist the label transfer, the label is blown from below to the pad.
Provided for 2", 4" or 6" label applications

5.14

Compressed air regulation unit
for compressed air preparation; default setting 4.5 bar
Provided as left hand or right hand version
Delivery includes a fine filter, pressure control valve, pressure display, a hose to be connected to the applicator’s compressed air input and material to assemble to the chassis or bracket.

5.15

Compressed air regulation unit with ON/OFF valve
In case the labeling system is part of a plant, compressed air supplying the applicator can be switched on or off.
Only if combined with an e-stop. Default setting 4.5 bar
Provided as left hand or right hand version
Delivery as 5.14, added by an ON/OFF valve and a mating plug to be connected to an external e-stop

5.17

Pressure reducing valve
to reduce the pressure of the stroke cylinder contacting the product
For applicators 4014/4016, 4114/4116, 4214, 4414

Examples of compressed air regulation unit assembly

Regulation unit assembly with material to attach to the chassis

Regulation unit with ON/OFF valve assembly with material to attach to the bracket
### Delivery program label printers

#### Delivery program label printers

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#### Part options

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<td>Printer with automatic ribbon saving</td>
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<td>auf Anfrage</td>
<td>Adapter for core diameter 50 mm</td>
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#### DVD:

- Assembly instructions DE/EN
- Configuration manual DE/EN/FR
- Service manual DE/EN
- Spare parts list DE/EN
- Programming manual EN
- WHQL certified Windows printer drivers for Windows Vista Server 2008
- Windows 7 Server 2008 R2
- Windows 8 Server 2012
- Windows 8.1 Server 2012 R2
- Windows 10 Server 2016
- Server 2019

Apple Mac OS X printer drivers DE/EN/FR
Linux printer drivers DE/EN/FR
Label software cablabel S3 Lite
cablabel S3 Viewer
Database Connector

---

In case the applicator’s immersion depth is more than 25 mm, the cover has to be adapted.
## Delivery program applicators L and transfer modules

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x - user specific part no. following request
# Delivery program applicators R and transfer modules

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* - user specific part no. following request
Delivery program Hermes+

**Pos.** | **Part no.** | **Extra equipment**
--- | --- | ---
2.1 | 5961000.001 | Cover 2L
5961070.001 | Cover 4L
5961193.001 | Cover 6L
2.2 | 5954380 | External operation panel
2.3 | 5901626 | Standard keyboard DE
2.4 | 5561043 | CompactFlash Type I memory card
2.5 | 5964300 | Product sensor 25 pin
2.6 | 5970071 | Product sensor 3 pin
2.7 | 5917651 | I/O interface connector SUB-D, 25 pin
2.8 | 5961237.001 | Warning light
2.9 | 5918092 | Circular connector 3 pin M8
5918003 | Circular connector 4 pin M8
2.10 | 5961625 | Extended peel-off plate Hermes+ 2
5961624 | Extended peel-off plate Hermes+ 4
5961658 | Extended peel-off plate Hermes+ 6
2.11 | 5961650 | Margin stop
2.12 | 5961640 | Antistatic brush Hermes+ 2L
5961642 | Antistatic brush Hermes+ 2R
5961644 | Antistatic brush Hermes+ 4L
5961646 | Antistatic brush Hermes+ 4R

**Pos.** | **Part no.** | **Interfaces, switches**
--- | --- | ---
3.1 | 5954200 | Centronics
3.2 | 5954201 | RS422 / RS485
3.3 | 5948205 | Label selection - I/O box
3.4 | 5961349 | I/O interface adapter
3.5 | 5955710 | Hand switch TR2
3.6 | 5955711 | Foot switch

**Pos.** | **Part no.** | **Connecting cables**
--- | --- | ---
4.1 | 5550818 | Connecting cable RS232-C 9/9 pin, length 3 m
4.2 | 5918008 | Patch cable CAT 5e length 3 m, grey

**Pos.** | **Part no.** | **Mounting equipment**
--- | --- | ---
6.1 | 5965940 | Adapter plate
6.2 | 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 | 8914443 | Clamped joint for profile 50 x 50 mm
6.7 | 8914444 | Flanged joint for profile 50 x 50 mm
6.8 | 5970113 | Floor stand 1601
6.9 | 5970112 | Floor stand 1602

**Pos.** | **Part no.** | **Label software**
--- | --- | ---
7.6 | Bundle | cablabel S3 Lite (Download at cab.de/en)
5588001 | cablabel S3 Pro 1 WS
5588100 | cablabel S3 Pro 5 WS
5588101 | cablabel S3 Pro 10 WS
5588150 | cablabel S3 Pro 1 additional licence
5588151 | cablabel S3 Pro 4 additional licences
5588152 | cablabel S3 Pro 9 additional licences
5588002 | cablabel S3 Print 1 WS
5588105 | cablabel S3 Print 5 WS
5588106 | cablabel S3 Print 10 WS
5588155 | cablabel S3 Print 1 additional licence
5588156 | cablabel S3 Print 4 additional licences
5588157 | cablabel S3 Print 9 additional licences
in preparation | cablabel S3 Print Server
7.10 | 9008486 | Programming manual EN, printed copy

Delivery program applicators

**Pos.** | **Part no.** | **Extra equipment**
--- | --- | ---
5.13 | 5964277.001 | Blow tube 2"
5964095.001 | Blow tube 4"
5964614.001 | Blow tube 6"
5.14 | 5955735 | Compressed air regulation unit L
5955736 | Compressed air regulation unit R
5.15 | 5955737 | Compressed air regulation unit L with ON/OFF-valve
5955738 | Compressed air regulation unit R with ON/OFF-valve

**Pos.** | **Part no.** | **Extra equipment**
--- | --- | ---
5.16 | 5984805 | Compressed air regulation unit L with shut-off valve for air jet box 6114L
5984795 | Compressed air regulation unit R with shut-off valve for air jet box 6114R
5.17 | 596xxx.212 | Pressure reducing valve
### cab product overview

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<th>Label printers</th>
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<td>Print modules</td>
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For product information see [www.cab.de/en](http://www.cab.de/en)
cab // 820 distribution partners in more than 80 countries