cab
we identify more

NEW
Applicators HQ

Print and apply systems
for industrial operation

HERMES Q

Made in Germany

Data security in label printing

Modern manufacture sees marking systems work autonomous, interact among each other, with host computers or a plant control unit. Data security is a key issue. The integration of components, their administration and authentification are sensitive tasks demanded from the corporate IT. cab systems developed for printing and applying labels provide proper features by default, fairly protecting your data in a network.

Permissions can be assigned to users and restricted by passwords.

Access to network services (HTTP, FTP, VNC, OPC UA etc.) is possible only for users with authorization. Network services can be switched on or off.

WLAN can be switched on or off. WPA2, WPA2 Enterprise and WPA3 levels of security are supported.

Firmware updates are verified for integrity before installation.

Network protocols can be encrypted using TLS/SSL. To connect securely in a network, a certificate as required is installed in the device ex factory.

Printers in a network can be authorized securely. IEEE 802.1X network standard is supported.

USB slots can be locked and access to external storage media be denied.

All the current cab printing systems are based on the same electronics and firmware.
The printer language is the same, so are interfaces and memory. Any further developed operating system or driver is available immediately on every device. Resets to default settings are PIN-protected.

Contents

HERMES Q

Printing labels and applying them automatically in production lines

1.1

The slim one

to print small labels

Label printer		HERMES Q2	
Printable resolution	dpi	300	600
Print speed	up to mm/s	300	150
Print width	up to mm	56.9	54.1
Label roll outside diameters	mm	205 / 305	
Label width	up to mm	58	

1.2

The universal one

An industrial bestseller, providing a wide range of accessories

Label printer		HERMES Q4.3		HERMES Q4	
Printable resolution	dpi	200	300	300	600
Print speed	up to mm/s	300	300	300	150
Print width	up to mm	104	108.4	105.7	105.7
Label roll outside diameters	mm	205 / 305			
Label width	up to mm	114			

1.3

The wide one

to print Odette, UCC and GS1 labels in logistics applications

Label printer		HERMES Q6.3	
Printable resolution	dpi	200	300
Print speed	up to mm/s	250	250
Print width	up to mm	168	162.6
Label roll outside diameters	mm	205 / 305	
Label width	up to mm	174	

Sample applications

Label rolls

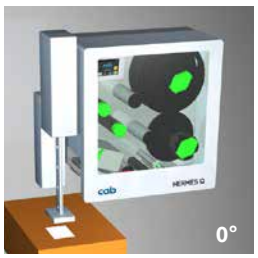
All units can provide an unwinder for picking up rolls with maximum diameter either 205 mm or 305 mm.

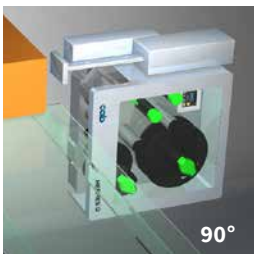
Directions to which dispense labels

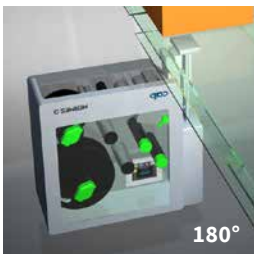
All units can be designed for providing labels either to the left or to the right.

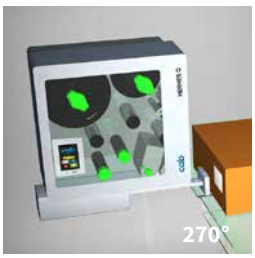
Orientations of assembly

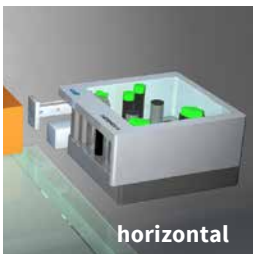
All the units can be rotated vertically by at most 360° or assembled in horizontal orientation.











HERMES Q in detail

1 **Operation panel**
Self-explanatory symbols are on display. The device can thus be operated intuitively and settings be configured easily.

2 **Ribbon holder**
On the basis of three-part tightening axles, ribbons can be replaced easily and quickly.

3 **Rugged metal chassis**
It is made of cast aluminum. All the parts are assembled to it.

4 **Applicator**
It is assembled to hinge pins. It can be pivoted in case of maintenance or if materials have to be replaced.

5 **Pressing plungers**
One is fixed near the chassis wall. The second one is pushed to the label margin, as far as necessary to evoke a good print image.

6 **Print head**
Units of the same width are interchangeable. Replacement requires only few steps.

7 **Print roller**
It can be removed/inserted quickly in cases of cleaning or wear.

8 **Peel-off plate**
Pivoting improves labels be applied to packages.

9 **Label unwinder**
A swing arm and an integral brake enable labels be unwound at constant force.

10 **Liner rewinder**
Subsequent to all the labels been dispensed, the entire liner tape is rewound. On the basis of a three-part tightening axle, a liner tape can be inserted and removed easily.

11 **Pulling system**
A liner tape is clamped between a draw roller and a pinch roller. Labels are dispensed using feed synchronous to the print roller.

12 **Label sensor**
Imprint is precisely set on spot on a label and materials ending detected by a transmissive or a reflective sensor.

Accurate imprint
The smaller a label, the higher are the demands regarding the accuracy of an imprint. Print offset can be reduced by ±0.2 mm using adjustable slip correction.

Print heads

Units of the same width are interchangeable.
They are detected by the CPU automatically and calibrated.
The print distance to the locating edge can be adjusted.

Major data such as the operational performance,
maximum operating temperature and heat energy
are recorded on the print head. Data can be read at the factory.

Print heads provided for HERMES Q2, HERMES Q4 - 300, 600 dpi
- sharp-edge print images
- e.g. when printing small fonts and graphics on typeplates
- e.g. when printing on materials requires high energy needs

Print heads provided for HERMES Q4.3, HERMES Q6.3 - 200, 300 dpi
persistent; when labeling in rough settings and thermal direct method

Print rollers

Two types of materials:

Print rollers DR
providing a synthetic rubber coating
They enable highly accurate imprint and are provided by default.

Print rollers DRS
providing a silicone coating
Product life is extra long, taken a higher print offset into account.

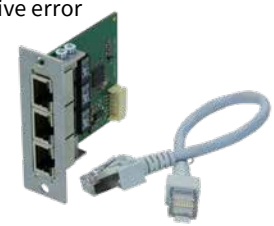
Interfaces

1. Slot to insert a **SD memory card**
2. **2 USB hosts** to connect a service key, USB memory stick, keyboard, barcode scanner, USB WLAN stick, warning light, an external operation panel
3. **USB 2.0 Hi-Speed** to connect a PC
4. **Ethernet 10/100 Mbit/s**
5. **RS232C** 1,200 to 230,400 baud /8 bits
6. **Digital I/O interface;** socket connector SUB-D, 25 pins
   compliant with IEC/EN 61131-2, types 1+3;
   All the inputs and outputs are isolated galvanically and protect from reverse polarity. In addition, outputs are short-circuit proof

PNP inputs	**PNP, NPN outputs**
Start printing or labeling	Device ready
Print first label	Print data available
Reprint	Initial / upper end position
Delete print job	Paper feed ON
Label removed	Label in transfer position
Stop printing or labeling	Label application / lower end position
Label feed	Pre-warning to a ribbon ending
Label rotated by 90° (to be applied by applicator 4214)	Pre-warning to a label web ending
Pause	End of a ribbon and/or a label web
Reset	Collective error

Option:

7. **2 port Ethernet switch 10/100 Mbit/s**



Operation panel

Self-explanatory symbols are on display. The device can thus be operated intuitively and settings be configured easily.

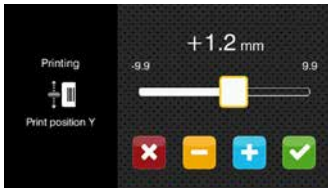
1. **LED:** Power ON
2. **Status bar**: data reception, record data stream, pre-warning to a ribbon ending, SD memory card / USB memory stick plugged in, WLAN, Ethernet, USB slave, time
3. **Printer status:** ready, pause, number of labels printed in a print job, label in transfer position, awaiting external start signal
4. **USB slot** to connect a service key or a memory stick, to transfer data to the IFFS memory
5. **Operation**
   - Printing and applying labels in individual steps
   - Jump to menu
   - Reprint the latest label
   - Interrupt and continue a print job
   - Stop and delete all print jobs
   - Label feed

Landscape or portrait display, depending from the orientation of assembly

Printer rotated by 90°

Setup options

Print parameters



Print offset Y

Print speeds

Video tutorials

External operation panel

If the operation panel of a printer cannot be accessed, an additional external one can be plugged.

Same functionality as on the printer

Landscape or portrait mode

Operability as desired on the external operation panel or on the printer

Printer connectivity: USB 2.0 Hi-Speed device

1. **LED:** Power ON
2. **USB port** to plug a service key or a memory stick, to transfer data to the IFFS memory
3. **Connecting USB cable** for power supply cab provides specified cables. Lengths are 1.8 m to 16 m.

Accessories

Accessorial products are plugged or screwed to a printer by the customer.

				1.1	1.2		1.3
Pos.	**Designation**	**roll Ø**	**205**	**305**	**HERMES Q2**	**HERMES Q4.3**	**HERMES Q4**	**HERMES Q6.3**
2.1	SD memory card		●	●	☐	☐	☐	☐
2.2	USB memory stick		●	●	☐	☐	☐	☐
2.3	USB WLAN stick		●	●	☐	☐	☐	☐
2.4	USB WLAN stick including a rod antenna		●	●	☐	☐	☐	☐
2.6	Product sensor, 3 pins		●	●	-	☐	☐	☐
2.7	Product sensor, 25 pins		●	●	☐	☐	☐	☐
2.8	I/O interface connector SUB-D, 25 pins		●	●	☐	☐	☐	☐
2.9	Warning light		●	●	☐	☐	☐	☐
2.10	External operation panel		●	●	☐	☐	☐	☐
	Connecting USB cable		●	●	☐	☐	☐	☐
2.11	Label selection - I/O box		●	●	☐	☐	☐	☐
2.12	Hand switch TR2		●	●	☐	☐	☐	☐
2.13	Foot switch		●	●	☐	☐	☐	☐
2.14	Connecting RS232 C cable		●	●	☐	☐	☐	☐
2.15	Scanner CC200		●	●	☐	☐	☐	☐

2.1 

SD memory card

2.2 

USB memory stick

2.3 

USB WLAN stick
2.4 GHz 802.11b/g/n
hotspot or infrastructure mode

2.4 

USB WLAN stick including a rod antenna
to extend the range of operation
2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac
hotspot or infrastructure mode

2.6 

Product sensor, 3 pins
to be attached to a front side applicator, a vacuum belt applicator or an air jet box. Labels are triggered to be applied as soon as a product has been detached, e.g. on a conveyor belt.

2.7 

Product sensor, 25 pins
Labels are triggered to be applied as soon as a product has been detached, e.g. on a conveyor belt.

2.8 

I/O interface connector SUB-D, 25 pins
All control signals can be attached to the I/O interface using clamping screws.

2.9 

Warning light
In addition to the information indicated on the display of a printer, states are signalled.

Red Collective error
Yellow Pre-warning to a label web or a ribbon ending
Green Device ready

USB cable (1 m) to connect to HERMES Q

Assembly materials are provided for vertical printer installation only.

1 Chassis assembly
2 Bracket assembly

2.10 

External operation panel
If the operation panel of a printer cannot be accessed, an additional external one can be plugged.

Same functionality as on the printer

Landscape or portrait mode

Operability as desired on the external operation panel or on the printer

Printer connectivity:
USB 2.0 Hi-Speed device

cab provides specified **connecting USB cables** for power supply.
Lengths are 1.8 m to 16 m.

2.11 

Label selection - I/O box
A maximum of 16 different labels can be selected from a memory card by a master control unit, e.g. PLC.

2.12 

Hand switch TR2
to be attached to the I/O interface

2.13 

Foot switch
to be attached to the I/O interface

2.14 

Connecting RS232 C cable
9/9 pins, 3 m

2.15 

Scanner CC200
provided on request

Options are parts or units to perform special functions.

They are assembled to a printer in addition to or instead of standards.

If order implies options be assembled ex factory, the part numbers of such printers and options are added by .250. Options delivered separately are added by .001.

Pos.	Designation	roll Ø	205	305	HERMES Q2	HERMES Q4.3	HERMES Q4	HERMES Q6.3	.250	.001
3.1	Automatic ribbon saving		●	●	-	☐	☐	☐	●	-
3.2	UHF RFID module		●	●	-	☐	☐	☐	●	-
3.3	Label unwinder K40		●	●	☐	☐	☐	☐	●	●
3.4/3.5	Adapters 40/50 and 76/100		●	●	☐	☐	☐	☐	●	●
3.6	Spacers		●	-	☐	☐	☐	-	●	●
3.7	Margin stop 10		●	-	☐	☐	☐	☐	●	●
3.8	Cover		●	-	☐	☐	☐	☐	●	●
3.9	Print head pressure system, reduced force		●	●	☐	☐	-	☐	●	●
3.10	Extended peel-off plate (+10 mm)		●	●	☐	☐	☐	☐	●	●
3.11	Print roller DRS		●	●	☐	☐	☐	☐	●	●
3.12	Antistatic brush		●	●	☐	☐	☐	-	●	●
3.13	Draw roller ZS		●	●	☐	☐	☐	☐	●	●
3.14	Interface for plugging an external label sensor		●	●	☐	☐	☐	☐	●	●
3.15	2 port Ethernet switch 10/100 Mbit/s		●	●	☐	☐	☐	☐	●	●
3.16	Label sensor, modified		●	●	☐	-	-	-	●	●

3.1

assembly ex factory only

Automatic ribbon saving
Use is recommended in cases of at least 60 mm unprinted area on a label. While labels are fed, the print head is lifted and the ribbon stopped, resulting in less material consumption.

3.2

assembly to a printer ex factory excludes automatic ribbon saving

UHF RFID module
Read/write antennas are assembled directly to a print head or a feeding unit. Using a 4214 applicator enables defective labels be ejected.

3.3

Label unwinder K40
to process label rolls having a core diameter of 40 mm

3.4

Adapter 40/50
to pick up label rolls having a core diameter of 50 mm and minimum widths of 20 mm. One adapter is sufficient if material width does not exceed 50 mm.

3.5

Adapter 76/100
to pick up label rolls having a core diameter of 100 mm and minimum widths of 20 mm. One adapter is sufficient if material width does not exceed 50 mm.

3.6

Spacers
to process narrow labels provided on liners ≤ 20 mm wide, wound on a roll or a reel.

Ribbon protruding on both sides prevents from wrinkling. The label guidance is therefore offset by 7 mm from the middle wall with spacers.
A modified label sensor is included on delivery.

Reel plate wall thickness 1 - 2 mm

3.16

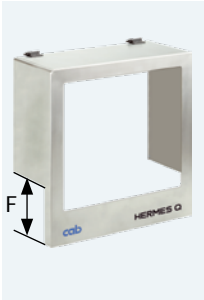
Label sensor, modified
Provided for labels requiring a sensor distant up to 26 mm to the locating edge. This sensor cannot be fixed with a screw.

3.7

Margin stop 10
to guide narrow labels provided on a liner 10 - 24 mm wide, wound on a roll (no reels) having a core diameter of 76 mm.

Operate only with a spacer

Options

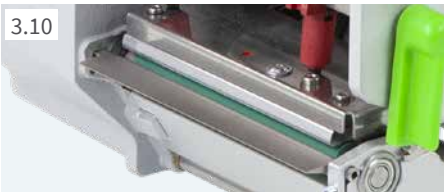


Cover
to prevent from contamination and contact
Maximum outside diameter for label rolls is 205 mm
Assembly in vertical orientation, rotated by ± 90° or horizontally
Depth of a pad immersing Dim. F

	Dimension F mm		
	Standard	**Optional**	**on request**
HERMES Q2	60	100	up to120
HERMES Q4/Q4.3	60	100	up to 120
HERMES Q6	25	-	up to 120

Print head pressure system, reduced force
Thermal direct printing requires less pressure on a print head.
Reduced force results in a decrease of wear. Product life extends.

Thermal direct printing only



Extended peel-off plate (+10 mm)
Recommended
- if labels are picked up by a robotic arm,
- if readable area is required for scanning,
- when installing an antistatic brush

Print roller DRS
Silicone coating enables an extra long product life,
taken a higher print offset into account

Antistatic brush
Electrostatic charge is reduced when plastic labels
are printed and peeled off.

Operate only with an extended peel-off plate.

Draw roller ZS
Made of steel, to avoid tension on a liner tape:
- if label height exceeds 150 mm
- when peeling off without backfeed
- if thick liner materials are processed
- when applying labels using a demand module 5114/16

Interface for plugging an external label sensor
M12 plug, 5 pins, a-coded
Plug-compatible with CEON and other sensors based on
PNP and 24 V

2 port Ethernet switch 10/100 Mbit/s
to connect another terminal device in a joint network.
Signals are looped through.

Technical data

● typical ■ standard ☐ option

Label printer		type	HERMES Q2		HERMES Q4.3		HERMES Q4		HERMES Q6.3	
Printing method	Thermal transfer		●	●	●	●	●	●	●	●
	Thermal direct		–	–	●	●	–	–	●	●
Printable resolution		dpi	300	600	200	300	300	600	200	300
Print speed		up to mm/s	300	150	300	300	300	150	250	250
Print width		bis mm	56.9	54.1	104	108.4	105.7	105.7	168	162.6
Direction to which dispense labels			L = to the left, R = to the right							
Print distance to the locating edge		mm	1	1	1	1	1	1	1	1
	incl. automatic ribbon saving L/R	mm	–	–	2.2/1.6	0/-0.7	1/1	1/1	0.2/0.2	2.9/2.9
UHF RFID										
UHF RFID module			–	–	☐	☐	☐	☐	☐	☐
Materials										
Labels			paper, PET, PE, PP, PI, PVC, PU, acrylate, Tyvec							
		on a roll	●		●		●		●	
		on a reel	●		–		–		–	
Labels[1]	Width	mm	4 - 58		10 - 114		10 - 114		46 - 174	
	Height	from mm	3		4		4		6	
	Thickness	up to mm	0.60		0.60		0.60		0.60	
Liner tape	Width if operating a roll	mm	24 - 62		24 - 118		24 - 118		50 - 178	
	Width[2] if operating a reel or a roll	mm	10 - 24		–		10 - 24		–	
	Thickness	mm	0.03 - 0.08		0.03 - 0.08		0.03 - 0.08		0.03 - 0.08	
Roll unwinder	Outside roll diameter	up to mm	205 / 305		205 / 305		205 / 305		205 / 305	
	reel diameter	up to mm	205		–		–		–	
	Core diameter	mm	76							
	Winding		outside or inside							
Roll rewinder	Outside diameter	up to mm	155 / 205							
	Core diameter	mm	76							
Ribbon[3]	Ink side		outside or inside							
	Roll diameter	up to mm	90							
	Core diameter	mm	25.4							
	Length	up to m	600							
	Width	mm	25 - 67		25 - 114		25 - 114		50 - 170	
	Automatic ribbon saving		–		☐		☐		☐	
Printer dimensions and weights										
Width		mm	207		260		260		320	
Height	roll diameters 205 / 305	mm	400 / 430							
Depth	roll diameters 205 / 305	mm	400 / 500							
Weight kg	roll diameters 205 / 305	approx..	15 / 16		16 / 17		16 / 17		20	
Label sensor indicating positions										
Transmissive sensor		detecting	labels, punch marks or print marks, as well as materials ending							
Reflective sensor	bottom reflex	detecting	print marks on non-transparent liners, as well as materials ending							
Sensor distance to the locating edge	standard	mm	2 - 12		2 - 60		2 - 60		2 - 60	
	modified	mm	2 - 26							
Material passage		mm	2							
Electronics										
32-bit processor		MHz	800							
RAM		MB	256							
IFFS memory		MB	50							
Slot to insert a memory card (SDHC, SDXC)			■							
Battery to display date and real time			■							
Data (e.g. serial numbering) preserved if power turns off			■							
Interfaces										
RS232C 1,200 to 230,400 baud / 8 bits			■							
USB 2.0 Hi-Speed to connect a PC			■							
Ethernet 10/100 Mbit/s			LPD, RawIP printing, SOAP web service, OPC UA, WebDAV DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC							
2 USB hosts on the control panel, 2 USB hosts on the back of a unit			Service key, USB stick, USB WLAN stick, USB WLAN stick including a rod antenna, keyboard, barcode scanner, warning light, external control panel							
USB host 24 VDC, to connect a peripheral device			■							
Digital I/O interface, 10 inputs / 11 outputs			■							
Interface for plugging an external label sensor			☐							
2 port Ethernet switch 10/100 Mbit/s			☐							

[1] Limitations can occur when processing small labels, thin materials or materials using a strong adhesive. Critical applications need testing.
[2] Spacers attached to the label unwinder and the unit rewinding the liner tape help feeding the ribbon centered above the labels.
[3] The ribbon must correspond at least to the width of the liner tape.

Technical data

■ standard ☐ option

Operating data		
Voltage		100-240 VAC, 50/60 Hz, PFC
Power consumption		standby < 10 W / typical 100 W / max. 200 W
Temperature / humidity	Operation	+5 - 40°C / 10 - 85 %, not condensing
	Stock	0 - 60°C / 20 - 85 %, not condensing
	Transport	–25 - 60°C / 20 - 85 %, not condensing
Approvals		CE, FCC Class A, ICES-3, cULus, CB, RCM Mark, CCC, CoC Mexico, BSMI Mark, KC Mark

Operation panel		
Colored LCD touch display	Screen diagonal "	4,3
	Resolution Width x Height px	480 x 272

Setup options		
	Print Labels Ribbon Peel off Apply label Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Power saving mode - Orientation Interpreter

Status bar		
	Data reception Record data stream Pre-warning to a ribbon ending SD memory card plugged in USB memory stick plugged in	WLAN Ethernet USB slave Time

Monitoring		
	Ribbon Direction of winding Pre-warning Material ending	Pinch roller open Peripheral error
	Labels Pre-warning Material ending	
	Print head Voltage Temperature open	

Test routines	
System diagnostics	on start-up, the print head is also detected
Information display, print test, analysis	Status printout List of fonts List of devices WLAN status Record print data on a memory card Test grid Label profile List of events Monitor mode
Status reports	- Printout of device settings, e.g. durations of printing and hours in operation - Device status request triggered by software command - Display of network errors, missing links, barcode errors, peripheral errors, etc.

Fonts		
Provided internally	5 bitmap fonts: 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	7 vector fonts: AR Heiti Medium GB-Mono CG Triumvirate Condensed Bold Garuda HanWangHeiLight Monospace 821 Swiss 721 Regular, Bold
To be stored	TrueType fonts	
Character sets	Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869 EBCDIC 500 ISO 8859-1 to -10 and -13 to -16 WinOEM 720 UTF-8 DEC MCS MacRoman KOI8-R Western European Eastern European Chinese, simplified Chinese, traditional Thai Cyrillic Greek Latin Hebrew Arabic	

Fonts	
Bitmap fonts	Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 270°
Vector / TrueType fonts	Widths and heights 0,9 - 128 mm Continuous zoom 360° orientation in steps of 1°
Font styles	bold, italic, underlined, outline, inverse - depending from the font type
Character spacing	variable or monospace for fixed spacing

Graphics	
Elements	lines, arrows, rectangles, circles, ellipses - filled or filled with fading
Formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG

Codes		
1D barcodes (linear)	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident and routing code of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D and stacked codes	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code GS1 QR code GS1 DataMatrix PDF 417 Micro PDF 417 UPS MaxiCode GS1 DataBar Aztec Codablock F Dotcode RSS 14 truncated, limited, stacked, stacked omni-directional	
	Heights, modular widths and ratio are variable Orientations 0°, 90°, 180°, 270° Check digit, plain text printout and start/stop coding are options depending from the code type.	

Software		
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print	■ ■ ☐ ☐
Running also with	CODESOFT Loftware Spectrum NiceLabel BarTender	
Stand-alone operation		■
Windows printer drivers certified WHQL for	Windows 10 Windows 11 Server 2016 Server 2019 Server 2022	■
Apple printer drivers	Mac OS X 10.6 or any later release	■
Linux printer drivers	CUPS 1.2 or any later release	■
Programming	JScript printer language abc Basic Compiler ZPL II (Datastream be tested in advance)	■ ■ ☐
Integration	SAP Database Connector	■ ■
Administration	Printer control Configuration on the Intranet / Internet	■ ■

cab uses free and Open Source software in its products.
For information see **www.cab.de/opensource**

cablabel S3 software

Design, print, administrate

cablabel S3 opens up the full potential of cab devices. Creating a label is the first step. cablabel S3 adapts to requirements easily using a modular design. Plug-ins like the JScript Viewer support native JScript programming, as well as other features. The designer user interface and the JScript code synchronize in real time. The Database Connector and other special features can be integrated, so are barcode verifiers.

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

Stand-alone printing

A printer can select and print labels even when the system is disconnected from a host.

Labels are designed using software such as cablabel S3 or a text editor on a PC. Label formats, texts, graphics and data taken from a database are transferred to a memory card, a USB memory stick or the internal IFFS memory.

Only variable data are sent to the printer using a keyboard, a barcode scanner, scale or another host system and/or are recalled from a host by the Database Connector and printed.

OPC UA

The latest cab printers are ready to interact with machines and components of different manufacturers in industrial plants.

An OPC UA server and a client are part of the firmware.

The server enables a printer be configured and controlled. Dynamic print data can be edited using a defined programming interface.

The integral client enables reading data fields from other machines ready for OPC UA, as well as transferring data to a label. No additional software is needed.

Printer control

Drivers

cab provides drivers to control a printer with software other than cablabel S3.

Free download on **www.cab.de/en/support**

Programming

JScript

cab printers embed JScript language.
Download free manual on **www.cab.de/en/programming**

abc Basic Compiler

Integral to the firmware, abc in addition to JScript enables advanced programming before data are edited for printout.
For example, external printer languages can be replaced without intervening in a print job in progress. Data may be imported as well from other systems such as scales, barcode scanners or PLC.

Integration

Printer Vendor Program

cab as a member of this program developed a replace method for controlling cab printers from SAP[1] R/3 using SAPScript. Only variable data are sent by a host system to a printer. They add on the printer to local images and fonts (IFFS, memory card, etc.).

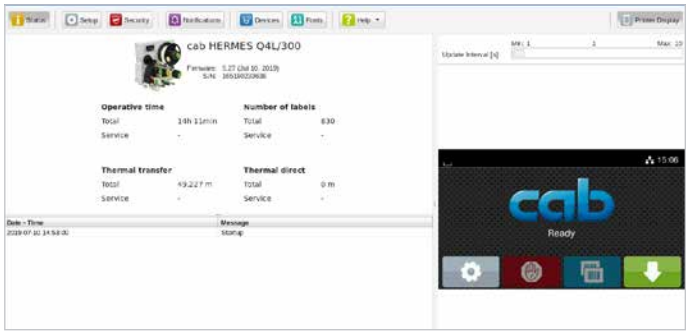
Step 1	Step 2	Step 3
Create a label and a replace file using cablabel S3	Take the replace file and replace variable data using SAPScript	Printout from SAP

[1] SAP and all its corresponding logos are trademarks or registered trademarks of SAP SE

Printer administration

Configuration on the Intranet / Internet

Integral HTTP / FTP servers enable a printer be controlled or configured, firmware be updated and memory cards be administrated using standard applications such as a web browser or a FTP client.
Administrators and operators on behalf of SNMP / SMTP are notified of states, alerts and errors by email or SNMP datagrams. Time and date are synchronized by a time server.



Database Connector

Printers in a network may access data from a ODBC / OLEDB database and print it on labels. Data can be rewritten to a database while print jobs are in progress.

Applicators

Automatic labeling
The HERMES HQ applicators are a further development of the proven HERMES applicators, fully compatible, adding extra functions. Existing applications can continue without limitations.

Easy to configure
The applicator can be fully set on the printer control panel, configurations be stored and called up. Automatic calibration features speed up the setup.

Process control
Detailed statistical values are provided, so are sophisticated error messages. Constant control enables response right away in events of errors.

Updates
Applicator firmware can be updated on the printer control panel or the printer‘s web server. New features and specific solutions can therefore be tested right away and distributed in the field.

1. **Long product life**
   by a precise and low-wear linear guide
2. **Products of variable heights**
   Labels can be applied on different heights using a stroke cylinder. Its standard lengths are 200, 300 and 400 mm. Further lengths can be provided on request.
3. **Protective chassis**
   is a standard to protect the cylinder and the guide. It can be provided adapted to the product jig on a labeling workstation.
4. **Highly reliable processes**
   Support air and intake air can be defined,so can stroke speed. Sensor control
5. **Label application**
   in real time. Small or large labels, 4 to 250 mm high and 4 to 174 mm wide, can be processed using an applicator
6. **Pivoting applicator**
   The print mechanics can be accessed quickly and easily in case of maintenance or if materials have to be replaced.

Options:

Pressure-reducing valve
It reduces the pressure exerted by the stroke cylinder to a product.

Pressure-reduced applicator
It has been designed for manual workstations missing a protective cover. The cylinder diameter is reduced to 12 mm. To prevent from injuries, a safety valve limits compressed air to a maximum of 4.8 bar.

Applicators, transfer modules and options

Overview

	Applicators	Page	HERMES Q 2	HERMES Q 4	HERMES Q 6.3	Vacuum pad, spring-mounted	Universal pad	Tamp-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop	Blow-on pad	Form pad	Universal pad, spring-mounted	Tamp-on pad, spring-mounted	Roll-on pad	Corner-wrap pad	Brush	Transportation belt	Vacuum pad	Pressure-reducing valve	Pressure-reduced applicator
			Order code			Transfer modules														Options	
						10	11	11	12	61	21	88	31	31	41	51			90	.212	.220
Product marking	**Swing applicator**	18	**HQ 3214**	**HQ 3214**				F	F	F	☐										
	Stroke applicator	19/20	**HQ 4114**	**HQ 4114**				F	F	F	☐	☐								☐	☐
		19/20			**HQ 4116**			F	F	F		☐								☐	
	Stroke turn applicator	21	**HQ 4214**	**HQ 4214**				F	F	F	☐									☐	☐
	Stroke applicator	22	**HQ 4414**	**HQ 4414**				F	F	F										☐	☐
	Swing stroke applicator	23	**HQ 4514**	**HQ 4514**							☐										
	Flag applicator	24		**HQ 4712**								☐									
Package marking	**Front side applicator**	25		**HQ 3014**				☐			☐			☐							
		25			**HQ 3016**			☐						☐							
	Stroke applicator	26/27		**HQ 4014**			☐	F			☐		☐	☐	☐	☐				☐	☐
		26/27			**HQ 4016**			☐						☐	☐					☐	
	Stroke applicator	28		**HQ 4024**		☐															☐
	Stroke blow applicator	29		**HQ 4614**							☐										
	Demand module	30	**HQ 5112**	**HQ 5114**	**HQ 5116**												☐				
	Vacuum belt applicator	31		**HQ 5314**	**HQ 5316**													☐			
		32		**HQ 5414**	**HQ 5416**													☐			
	Demand table	33		**HQ 5714**														☐			
	Air jet box	34		**HQ 6114**															☐		

Applicator type code index

HQ 4414L-200

Type		**HQ 441**
Label printer	HERMES Q2	**2**
	HERMES Q4	**4**
	HERMES Q4.3	**4**
	HERMES Q6.3	**6**
Direction to which dispense labels	left	**L**
	right	**R**
Cylinder stroke		**200**
		300
		400
		500
		600
		700
		800

} auf Anfrage

Transfer module type code index

4014R-1100

Applicator (see applicator type codes)		**4014R**
Type	Vacuum pad, spring-mounted	**10**
	Universal / tamp-on pad, providing sliding foil	**11**
	Tamp-on pad, providing a damping layer	**12**
	Tamp-on pad, providing a label stop	**61**
	Blow-on pad	**21**
	Form pad	**88**
	Universal / tamp-on pad, spring-mounted	**31**
	Roll-on pad	**41**
	Corner-wrap pad	**51**
	Vacuum pad	**90**
F	Depth of a pad immersing in mm	**00**

A pad dips into a surface in the range of a label. See specified depths of immersion in the technical data of an applicator.

Swing applicator HQ 3214

Labels very small or midsized can be applied in real time, preferably from the side.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. A rotary cylinder pivots into position. The label is transferred to a product by a stroke cylinder. Rotary angles and linear hubs are adjustable.

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

4.1

Swing applicator		**HQ 3214 L/R-40**
Label application		from the side
State of a product	at rest	■
at the moment a label is applied	in motion	only blow-on pad
Product heights	uniform	■
Distance of a product to the peel-off plate	mm	250 - 280
Linear guidance, horizontal	mm	5 - 30
Pivot angles		45° - 95°
Weight of applicator	packaging excluded kg	4.5
Consumption of power	W max.	15
Compressed air	bar	4.5
Cycle rate[1)]	labels/min approx.	20

[1)] calculated using labels 40 mm high and a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Tamp-on pad, providing a damping layer
When applying labels to hard surfaces, the noise level is reduced. It benefits also in cases of rough structures or little unevenness.

Tamp-on pad, providing a label stop
It enables small labels be applied exactly on spot to a product.

Blow-on pad
It benefits when labels have to be applied to sensitive surfaces or products in motion. Labels are blown on by a blast of air. Stroke cylinder adjustment enables bridging distances of 5 to 10 mm to the surface of a product.

			Tamp-on pad	**Tamp-on pad, providing a damping layer**	**Tamp-on pad, providing a label stop**	**Blow-on pad**
Transfer modules			**3214 L/R 11 F**	**3214 L/R 12 F**	**3214 L/R 61 F**	**3214 L/R 2100**
Label widths	HERMES Q2	mm	4 - 58	10 - 58	10 - 58	10 - 58
	HERMES Q4/Q4.3	mm	10 - 114	10 -114	10 -114	10 - 80
Label heights	HERMES Q2	mm	5 - 80	8 - 80	5 - 80	10 - 80
	HERMES Q4/Q4.3	mm	8 - 80	8 - 80	8 - 80	10 - 80
Depth of a pad immersing F		up to mm	30	30	30	-

Stroke applicators HQ 4114, HQ 4116

Labels very small or midsized can be applied in real time from all sides.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by a short stroke cylinder, the pad is brought into position in horizontal direction.
The label is transferred to a product by a stroke cylinder.
The length of the stroke cylinder defines the maximum distance of a product to the peel-off plate.

4.2

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**

Stroke applicators		HQ 4114 L/R-200	HQ 4114 L/R-300	HQ 4114 L/R-400	HQ 4114 L/R-600	HQ 4116 L/R-200	HQ 4116 L/R-300	HQ 4116 L/R-400
Label applications		from the top, from below, from the side						
State of a product	at rest	■						
at the moment a label is applied	in motion	only blow-on pad						
Product heights	uniform	only blow-on pad						
	variable	all tamp-on pads						
Short stroke cylinder, horizontal	mm	10						
Distance of a product to the bottom of the unit	up to mm	135	235	335	535	135	235	335
Weight of applicator	packaging excluded kg	5	6	7	9	5	6	7,5
Consumption of power	W max.	15						
Compressed air	bar	4.5						
Cycle rate[1]	labels/min approx.	30						

[1] Calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Tamp-on pad, providing a damping layer
When applying labels to hard surfaces, the noise level is reduced. It benefits also in cases of rough structures or little unevenness.

Tamp-on pad, providing a label stop
It enables small labels be applied exactly on spot to a product.

Blow-on pad
It benefits when labels have to be applied to sensitive surfaces or products in motion. Labels are blown on by a blast of air. Stroke cylinder adjustment enables bridging distances of 5 to 10 mm to the surface of a product.

			Tamp-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop	Blow-on pad
Transfer modules			**4114, 4116 L/R 11 F**	**4114, 4116 L/R 12 F**	**4114, 4116 L/R 61 F**	**4114 L/R 2100**
Label widths	HERMES Q2	mm	4-58	10-58	10-58	10-58
	HERMES Q4/Q4.3	mm	10-114	10-114	10-114	10-114
	HERMES Q6.3	mm	50-174	50-174	50-174	-
Label heights	HERMES Q2	mm	4-80	8-80	4-80	10-80
	HERMES Q4/Q4.3	mm	8-80	8-80	8-80	10-80
	HERMES Q6.3	mm	8-80	8-80	8-80	-
Depth of a pad immersing F[2]		up to mm	130	130	130	-

[2] On the cover HERMES Q2/Q4/Q4.3 cut-out dimension F standard 60 mm, optional 100 mm, on request up to 110 mm
On the cover HERMES Q6.3 cut-out dimension F standard 25 mm, on request up to 110 mm

Stroke applicators HQ 4114, HQ 4116

Labels very small or midsized can be applied in real time from all sides.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by a short stroke cylinder, the pad is brought into position in horizontal direction.
The label is transferred to a product by a stroke cylinder.
The length of the stroke cylinder defines the maximum distance of a product to the peel-off plate.

4.2

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Stroke applicators		HQ 4114 L/R-200	HQ 4114 L/R-300	HQ 4114 L/R-400	HQ 4114 L/R-600	HQ 4116 L/R-200	HQ 4116 L/R-300	HQ 4116 L/R-400
State of a product at the moment a label is applied	at rest	■						
Label applications		from the top, from below, from the side						
Product heights	variable	■						
Short stroke cylinder, horizontal	mm	10						
Distance of a product to the bottom of the unit	up to mm	135	235	335	535	135	235	335
Weight of applicator	packaging excluded kg	5	5.5	7	9	5.5	6	7.5
Consumption of power	W max.	15						
Compressed air	bar	4.5						
Cycle rate1)	labels/min approx.	20						

[1)] Calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s
If the height of the form pad exceeds 60 mm, the cover of HERMES Q must be adapted.

Form pad
Labels are precisely applied to cylindric objects, inclined or curved surfaces. Curved form pads prevent from blistering on very smooth and plane surfaces.
200° maximum label wrapping on cylindric objects

			Form pad
Transfer module			**4114, 4116 L/R 8800**
Label widths	HERMES Q2	mm	10 - 58
	HERMES Q4/Q4.3	mm	10 - 114
	HERMES Q6.3	mm	50 - 174
Label heights		mm	8 - 80

Stroke turn applicator HQ 4214

Labels very small or midsized can be applied in real time from all sides whenever the unit is difficult to install.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by a rotary cylinder, the pad pivots into position by at most 180° in horizontal direction. The label is transferred to a product by a stroke cylinder. The length of the stroke cylinder defines the maximum distance of a product to the peel-off plate.

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**

4.3

Stroke turn applicator		HQ 4214 L/R-200	HQ 4214 L/R-300	HQ 4214 L/R-400
State of a product	at rest	■		
at the moment a label is applied	in motion	only blow-on pad		
Label applications		from the top, from below, from the side		
Product heights	uniform	only blow-on pad		
	variable	all tamp-on pads		
Rotary angle, horizontal 180° if labels are no more than 15 mm high	90°, 0°	■		
Distance of a product to the bottom of the unit	up to mm	135	235	335
Weight of applicator	packaging excluded kg	5	5.5	7.5
Consumption of power	W max.	15		
Compressed air	bar	4.5		
Cycle rate[1]	labels/min approx.	20		

[1] calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Tamp-on pad, providing a damping layer
When applying labels to hard surfaces, the noise level is reduced. It benefits also in cases of rough structures or little unevenness.

Tamp-on pad, providing a label stop
It enables small labels be applied exactly on spot to a product.

Blow-on pad
It benefits when labels have to be applied to sensitive surfaces or products in motion. Labels are blown on by a blast of air. Stroke cylinder adjustment enables bridging distances of 5 to 10 mm to the surface of a product.

			Tamp-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop	Blow-on pad
Transfer modules			**4214 L/R 11 F**	**4214 L/R 12 F**	**4214 L/R 61 F**	**4214 L/R 2100**
Label widths	HERMES Q2	mm	4 - 58	10 - 58	10 - 58	10 - 58
	HERMES Q4/Q4.3	mm	10 - 80			
Label heights	HERMES Q2	mm	4 - 40	8 - 40	4 - 40	10 - 40
	HERMES Q4/Q4.3	mm	8 - 40	8 - 40	8 - 40	10 - 40
Depth of a pad immersing F[1]		up to mm	90	90	90	-

[2] On the cover HERMES Q2/Q4/Q4.3 cut-out dimension F standard 60 mm, optional 100 mm

Stroke applicator HQ 4414

Labels very small or midsized can be applied in real time from all sides. Positions to which labels shall be applied can be adjusted in directions x and y.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by two short stroke cylinders, the pad is brought into position. The label is transferred to a product by a stroke cylinder. The length of the stroke cylinder defines the maximum distance of a product to the peel-off plate.

4.4

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**

Stroke applicators		HQ 4414 L/R-200	HQ 4414 L/R-300	HQ 4414 L/R-400
State of a product at the moment a label is applied	at rest	■		
Label applications		from the top, from below, from the side		
Product heights	variable	■		
Short stroke cylinders, horizontal	direction x mm	3 - 7		
	direction y mm	11 - 15		
Distance of a product to the bottom of the unit	up to mm	135	235	335
Weight of applicator	packaging excluded kg	5	5.5	6
Consumption of power	W max.	15		
Compressed air	bar	4.5		
Cycle rate[1]	labels/min approx.	25		

[1] calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Tamp-on pad, providing a damping layer
When applying labels to hard surfaces, the noise level is reduced. It benefits also in cases of rough structures or little unevenness.

Tamp-on pad, providing a label stop
It enables small labels be applied exactly on spot to a product.

			Tamp-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop
Transfer modules			**4414 L/R 11 F**	**4414 L/R 12 F**	**4414 L/R 61 F**
Label widths	HERMES Q2	mm	4 - 58	10 - 58	10 - 58
	HERMES Q4/Q4.3	mm	10 -114		
Label heights	HERMES Q2	mm	4 - 80	8 - 80	4 - 80
	HERMES Q4/Q4.3	mm	8 - 80		
Depth of a pad immersing F[2]		up to mm	120		

[2] On the cover HERMES Q2/Q4/Q4.3 cut-out dimension F standard 60 mm, optional 100 mm

Swing stroke applicator HQ 4514

Labels can be applied in real time from all sides on inner surfaces of profiles and pipes. Stroke cylinder adjustment enables labels be transferred exactly to their dedicated spots.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by a rotary cylinder, the pad pivots to the level on which the label shall be applied. The label is moved to the point of transfer by a stroke cylinder.

4.5

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Swing stroke applicators		HQ 4514 L/R-200	HQ 4514 L/R-300	HQ 4514 L/R-400
State of a product at the moment a label is applied	at rest	■		
Label applications		from the top, from below, from the side		
Product heights	uniform	■		
Pivot angle, vertical		120°		
Distance between the bottom of the unit and the upper label ending	up to mm	150[2)]	250[2)]	350[2)]
Weight of applicator	packaging excluded kg	6	6.5	7
Consumption of power	W max.	15		
Compressed air	bar	4.5		
Cycle rate[1)]	labels/min approx.	20		

[1)] calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s
[2)] depending from the height of a label

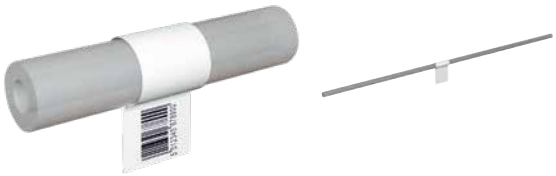
Blow-on pad
Labels are blown on a product surface by a blast of air, bridging a distance of 5 to 10 mm.

			Blow-on pad
Transfer module			**4514 L/R 2100**
Label widths	HERMES Q2	mm	10 - 58
	HERMES Q4/Q4.3	mm	10 - 80
Label heights		mm	10 - 60

Flag applicator HQ 4712

Labels can be applied in real time from all sides precisely on round materials such as cables, hoses or pipes.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. The label is transferred to the spot of application by a stroke cylinder. A further cylinder guides the material all around the material using cam control. First, both endings of a label are stuck together. Then the label is tamped to the round material. The length of the stroke cylinder defines the maximum distance of a product to the peel-off plate.



Accessories

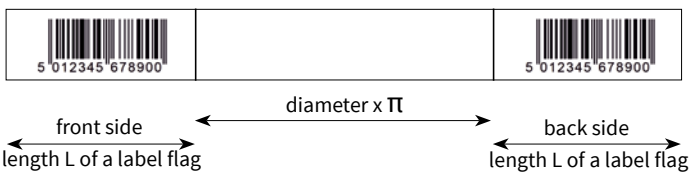
5.13 **Blow tube**

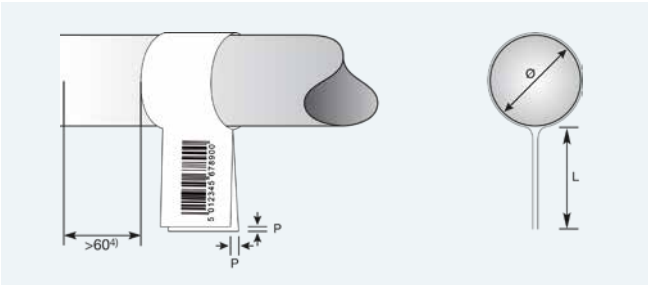
5.14 **Unit to regulate compressed air**

4.6

Flag applicator		**HQ 4712**
State of a product at the moment a label is applied	at rest	■
Label applications		from the top, from below, from the side rotated vertically: 0 - 180° clockwise (request in case of other rotations)
Product heights	uniform	■
Distance of a product to the bottom of the unit	at least mm	70
using a cylinder stroke of 300	up to mm	260
Depth of pliers immersing	mm	55
Offset P	up to mm	1.0[2]
Weight of applicator	packaging excluded kg	8
Consumption of power	W max.	15
Compressed air	bar	4.5
Cycle rate, printing and applying only[3]	labels/min approx.	15

[1] Processing labels 50 to 58 mm wide requires a spacer.
[2] depending from the quality of a label
[3] calculated using a print speed of 100 mm/s
[4] Flag on product requires >60 mm clearance on one side without components, bend or step



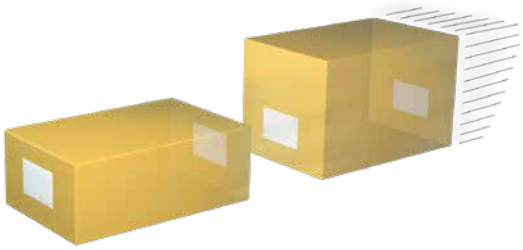


			Form pad
Transfer module			**4712 L 300**
Label widths	HERMES Q4L/Q4.3L	mm	50[1] - 100
Label heights		mm	10 - 50
Diameter		mm	3 - 16

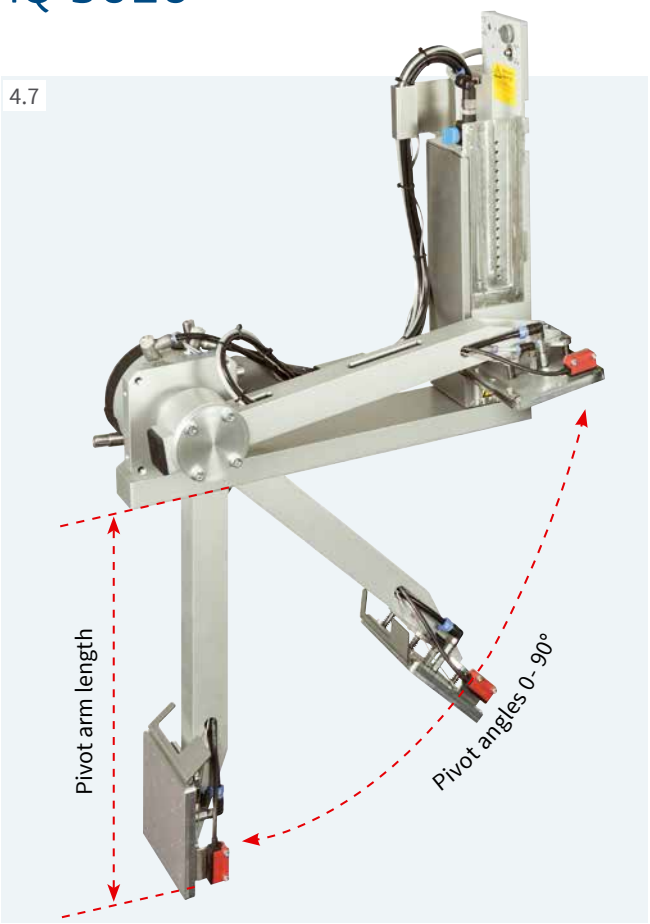
Front side applicators HQ 3014, HQ 3016

Labels can be applied in real time from the top or the side to packages in motion. Front sides or back sides of a package are preferred.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. The label is transferred to a product with the help of a rotary cylinder. The package is detected by a sensor and the pivot arm with the pad returned to its initial position.



4.7



Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Front side applicators			HQ 3014 L/R-200	HQ 3014 L/R-300	HQ 3014 L/R-400	HQ 3014 L/R-600	HQ 3016 L/R-200	HQ 3016 L/R-300	HQ 3016 L/R-400	HQ 3016 L/R-600
State of a package		at rest	■							
at the moment a label is applied		in motion	■							
Label applications			from the top, from the side, from the front, from the back							
Package heights		variable	■							
Pivot arm lengths[1]		mm	200	300	400	600	200	300	400	600
Pivot angles			0 - 90°							
Weight of applicators	packaging excluded	kg	9	9.5	10.5	11.5	9.5	10	11	12
Consumption of power		W max.	15							
Compressed air		bar	4,5							
Cycle rate[2]		labels/min approx.	15							

[1] Pivot arm length defines the spot of a label (lower margin) to be reached at 90° below a HERMES Q footprint.
[2] calculated using a pivot arm 200 mm long, labels 100 mm high, a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Tamp-on pad, spring-mounted
Labels can be applied to surfaces inclined by a maximum of 15°. Heights within the area of a label may vary by 10 mm at most.

Blow-on pad
Labels are blown on a package surface by a blast of air, bridging a distance of 5 to 10 mm.

			Tamp-on pad	Tamp-on pad, spring-mounted	Blow-on pad
Transfer modules			**3014, 3016 L/R 1100**	**3014, 3016 L/R 3100**	**3014 L/R 2100**
Label widths	HERMES Q4/Q4.3	mm	25 - 114	80 - 114	25 - 114
	HERMES Q6.3	mm	25 - 174	80 - 174	-
Label heights	HERMES Q4/Q4.3	mm	8 - 250	80 - 250	10 - 100
	HERMES Q6.3	mm	25 - 250	80 - 250	25 - 100

Stroke applicators HQ 4014, HQ 4016

Labels can be applied in real time from all sides to packages. The type of pad defines whether a package has to be at rest or can be in motion at the time a label is applied.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. The label is transferred to a package with the help of a stroke cylinder. The package is detected by a sensor and the pad returned to its initial position. The length of the stroke cylinder defines the maximum distance of a package to the peel-off plate.

4.8

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Options

5.17 **Pressure-reducing valve**

5.18 **Reduced-force applicator**

Stroke applicators		HQ 4014L/R-200	HQ 4014L/R-300	HQ 4014L/R-400	HQ 4014L/R-600	HQ 4016L/R-200	HQ 4016L/R-300	HQ 4016L/R-400	HQ 4016L/R-600
Package heights	variable	■							
State of a package at the moment a label is applied	at rest	■							
Label applications		from the top, from below, from the side			from the top, from below	from the top, from below, from the side			from the top, from below
Distance of a package to the bottom of the unit	up to mm	130	230	330	530	130	230	330	530
Weight of applicator	packaging excluded kg	5	5	7	9	5	5.5	7.5	9.5
Consumption of power	W max.	15							
Compressed air	bar	4,5							
Cycle rate[1]	labels/min approx.	25							

[1] calculated using a stroke of 100 mm below the unit, labels 100 mm high, a print speed of 100 mm/s

Tamp-on pad
Labels are precisely tamped on plane surfaces. Recessed levels are possible as well.

Universal pad
Labels can be tamped on plane surfaces. Drilled holes are provided in gaps of 5 mm to suck a label. The holes are covered by a sliding foil, but can be opened according to the size of a label using a punching tool.
Delivery includes two extra foils.

Tamp-on pad, spring-mounted
Labels can be applied to surfaces inclined by a maximum of 15°. Heights witin the area of a label may vary by 10 mm at most.

Universal pad, spring-mounted
Labels can be applied to surfaces inclined by a maximum of 15°. Heights in the area of a label may vary by 10 mm at most. To suck a label, drilled holes are provided in gaps of 5 mm and covered by a sliding foil.
Delivery includes two extra foils.

			Tamp-on pad	Universal pad	Tamp-on pad, spring-mounted	Universal pad, spring-mounted
Transfer modules			**4014, 4016 L/R 11 F**	**4014 L/R 1100**	**4014, 4016 L/R 3100**	**4014 L/R 3100**
Label widths	HERMES Q4/Q4.3	mm	20 - 114	75 / 90	80 - 114	116 / 116
	HERMES Q6.3	mm	50 - 174	-	80 -174	-
Label heights	HERMES Q4/Q4.3	mm	20 - 210	60 / 90	80 - 210	102 / 152
	HERMES Q6.3	mm	25 - 210	-	80 - 210	-
Depth of a pad immersing F[2]		up to mm	140	–	–	–

[2] On the cover HERMES Q2/Q4/Q4.3 cut-out dimension F standard 60 mm, optional 100 mm, on request up to 120 mm
On the cover HERMES Q6.3 cut-out dimension F standard 25 mm, on request up to 120 mm

Stroke applicators HQ 4014, HQ 4016

Labels can be applied in real time from all sides to packages. The type of pad defines whether a package has to be at rest or can be in motion at the time a label is applied.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. The label is transferred to a package with the help of a stroke cylinder. The package is detected by a sensor and the pad returned to its initial position. The length of the stroke cylinder defines the maximum distance of a package to the peel-off plate.

4.8

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Options

5.17 **Pressure-reducing valve**

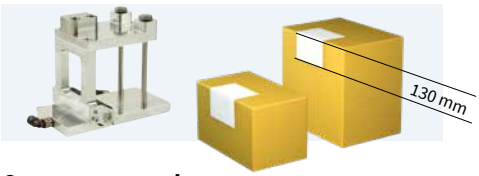
5.18 **Pressure-reduced applicator**

Stroke applicators			**HQ 4014L/R-200**	**HQ 4014L/R-300**	**HQ 4014L/R-400**	**HQ 4014L/R-600**	**HQ 4016L/R-200**	**HQ 4016L/R-300**	**HQ 4016L/R-400**	**HQ 4016L/R-600**
State of a package at the moment a label is applied		at rest	Blow-on pad, Corner-wrap pad							
		in motion	Blow-on pad, Roll-on pad							
Label applications		from the top	Blow-on pad, Roll-on pad, Corner-wrap pad							
		from below	Blow-on pad, Roll-on pad							
		from the side	Blow-on pad, Roll-on pad			-	Blow-on pad, Roll-on pad			-
Distance of a package to the bottom of the unit	Blow-on pad	up to mm	140	240	340	540	-	-	-	-
	Roll-on pad	up to mm	160	260	360	560	160	260	360	560
	Corner-wrap pad	up to mm	100	200	300	500	-	-	-	-
Package heights		uniform	Blow-on pad							
		variable	Blow-on pad, Corner-wrap pad							
Weight of applicator	packaging excluded	kg	5	5	7	9	5.5	5.5	7.5	9,5
Consumption of power		W max.	15							
Compressed air		bar	4,5							
Cycle rate[1]		labels/min approx.	25							

[1] calculated using a stroke of 100 mm below the unit, labels 100 mm high, a print speed of 100 mm/s

Blow-on pad
It benefits when labels have to be applied to sensitive surfaces or packages in motion. Labels are blown on by a blast of air. Stroke cylinder adjustment enables bridging distances of 5 to 10 mm to the surface of a package.

Roll-on pad
Labels are rolled on plane surfaces while these packages are in motion.



Corner-wrap pad
Labels are applied to a package on two sides adjacent to one another. One half of a label is applied to the top of a package. Then the other half of the label is rolled on.

			Blow-on pad	**Roll-on pad**	**Corner-wrap pad**
Transfer modules			**4014 L/R 2100**	**4014, 4016 L/R 4100**	**4014 L/R 5100**
Label widths	HERMES Q4/Q4.3	mm	20 - 114	25 - 114	20 - 114
	HERMES Q6.3	mm	provided upon request	50 - 174	-
Label heights	HERMES Q4/Q4.3	mm	20 - 100	80 - 250	60 - 210
	HERMES Q6.3	mm	provided upon request	80 - 250	-

Stroke applicators HQ 4024

- As much as 90 percent savings of compressed air
- Labels applied onto variable heights using one tamp pad

Labels are applied in real time onto packagings of different heights.

A spring-mounted print pad enables labels be applied reliably even onto inclined surfaces. Three vacuum plates are provided for labels 40 mm to 100 mm high, 150 mm and 200 mm. Label widths are 50 mm to 105 mm in each case.

Labels are sucked without supporting air by an electrically driven fan. Only the stroke cylinder requires compressed air.

4.9

Accessories

5.14 **Unit to regulate compressed air**

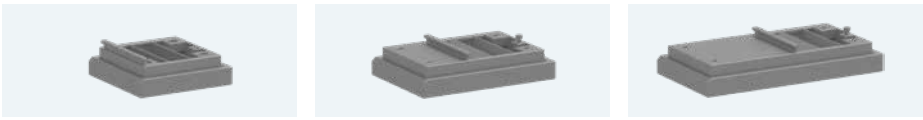
Options

5.17 **Pressure-reducing valve**

Stroke applicators		HQ 4024 L/R-200	HQ 4024 L/R-300	HQ 4024 L/R-400	HQ 4024 L/R-600
Distance of a package to the bottom of the unit	up to mm	135	235	335	535
Package heights	variable	■			
Alternation in the heights of packages	mm max.	100	200	300	500
Label applications		from the top, from below, from the side			from the top
State of a package at the moment a label is applied	at rest	■			
Controls	Sensor 1	initial / upper end position			
	Sensor 2	label on vacuum pad			
	Sensor 3	label application / lower end position			
Consumption of power	W max.	30			
Compressed air	bar	4.5			
Cycle rate[1)]	labels/min approx.	30			

[1)] calculated using a stroke of 100 mm below the unit, labels 40 mm high, a print speed of 100 mm/s

Vacuum pad
Labels are precisely tamped on plane surfaces.



Vacuum pad			4024-3000 105 x 100	4024-3000 105 x 150	4024-3000 105 x 200
Label	Width	mm	50 - 105	50 - 105	50 - 105
	Height	mm	40 - 100	80 - 150	120 - 200
	Thickness	µm	110	110	110

Stroke blow applicator HQ 4614

Labels can be applied in real time from all sides on packages of various heights in motion.

The pad locates in front of the peel-off plate. It picks up a label while it is being printed. Powered by a stroke cylinder and detected by a sensor, the pad moves to a spot approx.. 10 mm above a package. The length of the stroke cylinder defines the maximum difference in terms of package heights.

4.10

Accessories

5.13 **Blow tube**

5.14 **Unit to regulate compressed air**

Stroke blow applicator			HQ 4614 L/R-200	HQ 4614 L/R-300	HQ 4614 L/R-400
Distance of a package to the bottom of the unit		up to mm	140	240	340
Package heights		variable	■		
Label applications			from the top, from below, from the side		
State of a package at the moment a label is applied		at rest	■	■	■
		in motion	■	■	■
Weight of applicator	packaging excluded	kg	n.a.	5.5	6.5
Consumption of power		W max.	15		
Compressed air		bar	4.5		
Cycle rate[1)]		labels/min approx.	25		

[1)] calculated using a stroke of 100 mm below the unit, labels 100 mm high, a print speed of 100 mm/s

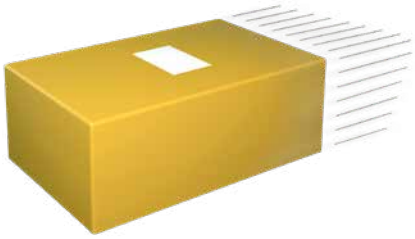
Blow-on pad
Labels are blown on a package surface by a blast of air, bridging a distance of 5 to 10 mm.

Blow-on pad			4614L/R-2100 B x H
Label widths	HERMES Q4/Q4.3	mm	20 - 114
	HERMES Q6.3	mm	provided upon request
Label heights	HERMES Q4/Q4.3	mm	20 - 100
	HERMES Q6.3	mm	provided upon request

Demand modules HQ 5112, HQ 5114, HQ 5116

Series of labels can be applied from all sides to packages in motion. The position to which apply a label can be defined on the dispenser tongue using a guide roller.

While a label is applied, the next one is printed simultaneously. Make sure the speed of the conveyor belt corresponds to the print speed.



4.11

Draw roller, made of steel
obligatory when operating a demand module

Demand module			HQ 5112 L/R	HQ 5114 L/R	HQ 5116 L/R
Label widths	HERMES Q2	mm	10 - 58	-	-
	HERMES Q4/Q4.3	mm	-	25 - 114	-
	HERMES Q6.3	mm	-	-	46 - 174
Label heights		mm	10 - 250	25 - 250	
Distance of the print line to the peel-off plate		mm	400 - 600		
State of a package at the moment a label is applied		in motion	■		
Label applications			from the top, from below, from the side		
Package heights		uniform	■		
Distance of a package to the bottom of the unit		mm	80		
Package speeds		mm/s	must correspond to the print speed / 50 - 250 in steps of 25		
Weight of module		packaging excluded kg	not specified	3	7
Consumption of power		W max.	not specified		
Cycle rate[1)]		labels/min approx.	60		

[1)] calculated using labels 100 mm high and a print speed of 100 mm/s

Vacuum belt applicators HQ 5314, HQ 5316

Labels can be applied in real time from all sides on plane surfaces to packages in motion.

The applicator locates in front of the peel-off plate. Printed labels are conveyed by a vacuum belt to the point of transfer to a package. Applying a label is triggered by an external signal.

Vacuum belt applicators			HQ 5314-2	HQ 5314-3	HQ 5314-4	HQ 5316-2	HQ 5316-3	HQ 5316-4
Label applications			on plane surfaces					
Directions to which dispense labels			left and right					
Label widths	HERMES Q4/Q4.3	mm	20 - 114	20 - 114	20 - 114	-	-	-
	HERMES Q6.3	mm	-	-	-	46 - 174	46 - 174	46 - 174
Label heights		mm	60 - 256	60 - 356	60 - 456	60 - 256	60 - 356	60 - 456
State of a package at the moment a label is applied		in motion	■					
Label applications			from the top, from below, from the side					
Package heights		uniform	■					
Package speeds		up to m/s	0.5					
Gap between packages		at least m	0.5					
Vacuum belt speed[1]		mm/s	100 - 500					
Weight of applicator		packaging excluded kg	7	7	7	8	8	8
Consumption of power		W max.	90					
Cycle rate[2]		labels/min up to	30					
Distance of a label to the conveyor belt, when applying from the side		mm	Y = 20					

[1] The speed of a package must be at least as high as the speed of the vacuum belt.
[2] calculated using labels 100 mm high and a print speed of 250 mm/s

Vacuum belt applicators HQ 5414, HQ 5416

Labels can be applied in real time from all sides
on cylindric surfaces, or corner-wrap to packages in motion.

The applicator locates in front of the peel-off plate.
Printed labels are conveyed by a vacuum belt
to the point of transfer to a package.
Applying a label is triggered by an external signal.

Vacuum belt applicators			HQ 5414-3	HQ 5414-4	HQ 5416-3	HQ 5416-4
Label applications			on cylindric surfaces and corner-wrap			
Directions to which dispense labels			left and right			
Label widths	HERMES Q4/Q4.3	mm	20 - 114	20 - 114	-	-
	HERMES Q6.3	mm	-	-	46 - 174	46 - 174
Label heights		mm	80 - 356	80 - 456	80 - 356	80 - 456
State of a package at the moment a label is applied		in motion	■			
Label applications			from the top, from the side			
Package heights		uniform	■			
		variable	■			
Package speeds		up to m/s	0.3			
Gap between packages		at least m	0.5			
Steadiness identified at the point a label is transferred			F[1] = 30 N			
Corner-wrap label applications		up to mm	X = 160			
Vacuum belt speed[2]		mm/s	100 - 300			
Weight of applicator		packaging excluded kg	7	7	8.5	8.5
Consumption of power		W max.	90			
Cycle rate[3]		labels/min up to	15			
Distance of a label to the conveyor belt, when applying from the side		mm	Y = 20			

[1] F = force required to make the vacuum belt pivot
[2] The speed of a package must be at least as high as the speed of the vacuum belt.
[3] calculated using labels 100 mm high and a print speed of 250 mm/s

Demand table HQ 5714

The demand table is a transfer module for the HERMES Q 4 in the left-hand version and enables printed and predispensed labels to be picked up by a robot. The labels are at rest during the pick-up process.

After printing and dispensing, the labels are placed over the extended Peel-off plate, adhesive side facing the dispensing table, ready for transfer to the robot stamp. The labels are at rest during removal. After removal, an automatic retraction can be performed on the printer.

The orientation of assembly of the system is designed for vertical removal.

Optionally, the printed label can be verified by a Scanner (provided by the customer) before it is transferred to the tamp pad. To support the label transfer to the print stamp, an optional chamber system with supporting air holes can be used.

4.14

Demand table		**HQ 5714L-100**
Label widths	mm	38-114
Label heights	mm	18-100
Orientation		left
Label during acceptance		at rest
Label material		Paper, plastics with release
Label application tolerance	mm	± 0.5
Compressed air	bar	no compressed air; 4.5 bar is an option
Cycle rate	labels/min up to	30

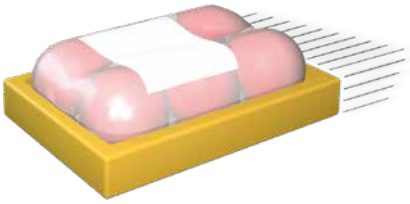
Air jet box HQ 6114

Labels can be applied to packages in motion or at rest.
Each label is sucked by a fan and blown off by a powerful blast of air coming through aligned nozzles. Depending from the size of a label, a maximum distance of 200 mm can be bridged between a package and the peel-off plate.

4.15

1 Template
to cover all the holes sucking or blowing off air outside a label

By holes pre-scored on an 8 x 8 mm pattern, a template can be adapted easily to the size of a label. By sliding in a template between the suction block and rails, the surface outside a label is covered. Scope of delivery includes five templates.



Accessories

5.13 **Blow tube**

5.16 **Unit to regulate compressed air, providing a shut-off valve**

Air jet box			HQ 6114 L/R
Label widths	HERMES Q4/Q4.3	mm	50 -114 smaller sizes can be provided on request
Label heights		mm	50 -125 smaller sizes can be provided on request
State of a package		at rest	■
at the moment a label is applied		in motion	■
Label applications			from the top, from below, from the side
Package heights		variable	■
Distance of a package to the peel-off plate		up to mm	200
Weight of air jet box		packaging excluded kg	4
Consumption of power		W max.	90
Compressed air		bar	4.5
Cycle rate[1)]		labels/min up to	100

[1)] calculated using labels 50 mm high, a print speed of 250 mm/s, a blast of air lasting 100 ms, with packages located 100 mm to the peel-off plate.

Accessories provided for applicators

5.13

Blow tube
to provide support air. To assist label transfer, the label is blown from below to the pad.

Provided for 2", 4" or 6" label applications

5.14

Unit to regulate compressed air
4.5 bar default setting

Provided in a left-hand or right-hand design

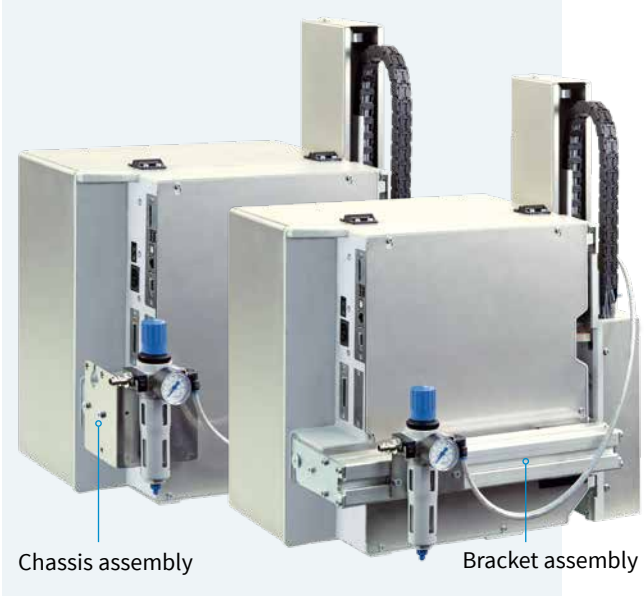
Delivery includes a fine filter, a pressure control valve with a display, a hose to connect to an applicator's compressed air input and material to assemble the unit to a chassis or a bracket.

5.16

Unit to regulate compressed air, providing a shut-off valve
to vent a hose line subsequent to the unit

Provided in a left-hand or right-hand design

Examples how to assemble a unit to regulate compressed air



Options provided for applicators

5.17

Pressure-reducing valve
It reduces the pressure exerted by the stroke cylinder to a product.

5.18

Pressure-reduced applicator
It has been designed for manual workstations missing a protective cover. The cylinder diameter is reduced to 12 mm. To prevent from injuries, a safety valve limits compressed air to a maximum of 4.8 bar.

Tools for assembling HERMES Q

		1.1	1.2		1.3
Pos.	**Designation**	**HERMES Q2**	**HERMES Q4.3**	**HERMES Q4**	**HERMES Q6.3**
6.1	Adapter plate	☐	☐	☐	☐
6.2	Profiles 40, 80, 120, 160, 200, 300 mm	☐	☐	☐	☐
6.3	Base plate 500 x 255 mm	☐	☐	☐	-
6.4	Base plate with XY Stop and product sensor	☐	☐	☐	-

Mount
to install on a table or to a production line.
Provided in a left-hand or right-hand design

The size of the mount can be adapted to an application.

6.1

1 Adapter plate
to fix a label application system.
Alternatively, it can be assembled directly to a production line, using the adapter plate with a profile.

6.2

2 Profile
square aluminum; 40, 80, 120, 160, 200, 30 mm are standards, further lengths can be provided on request

6.3

3 Base plate
to fix the product jig; 500 x 255 mm by default

6.4

4 Base plate with XY stop and product sensor
Standard size 500 x 255 mm

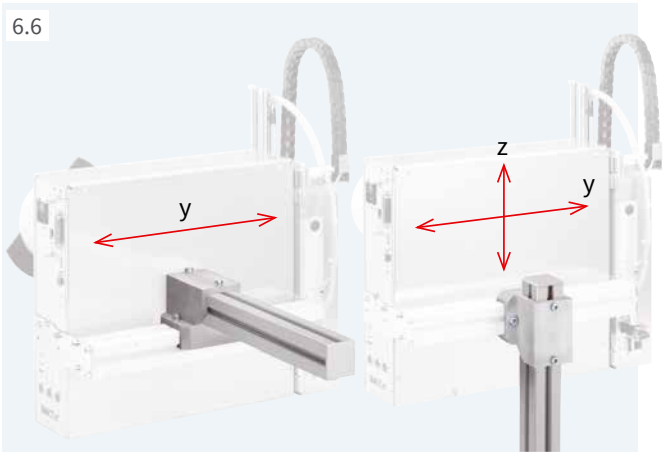
Tools for assembling HERMES Q

		1.1	1.2		1.3
Pos.	**Designation**	**HERMES Q2**	**HERMES Q4.3**	**HERMES Q4**	**HERMES Q6.3**
6.5	Bracket	☐	☐	☐	☐
6.6	Clamped jount designed for a 50 x 50 mm profile	☐	☐	☐	☐
6.7	Flanged joint designed for a 50 x 50 mm profile	☐	☐	☐	☐
6.8	Floor stand 1601	☐	☐	☐	☐
6.9	Floor stand 1602	☐	☐	☐	☐
6.10	Floor stand 1201	☐	☐	☐	☐

6.5

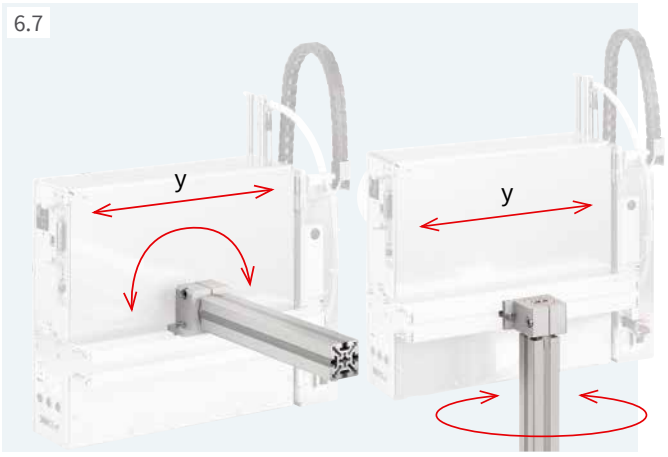
Bracket
to assemble to a floor stand

6.6



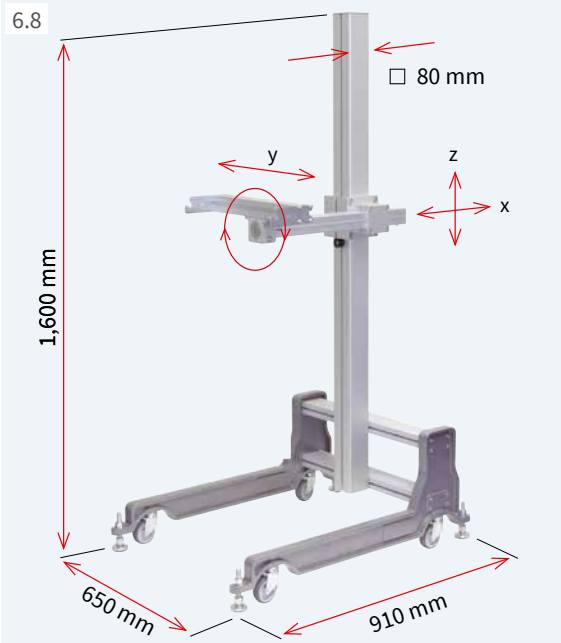
Clamped joint designed for a 50 x 50 mm profile
to move in horizontal or vertical direction

6.7



Flanged joint designed for a 50 x 50 mm profile
to move in horizontal direction or rotate around an axis

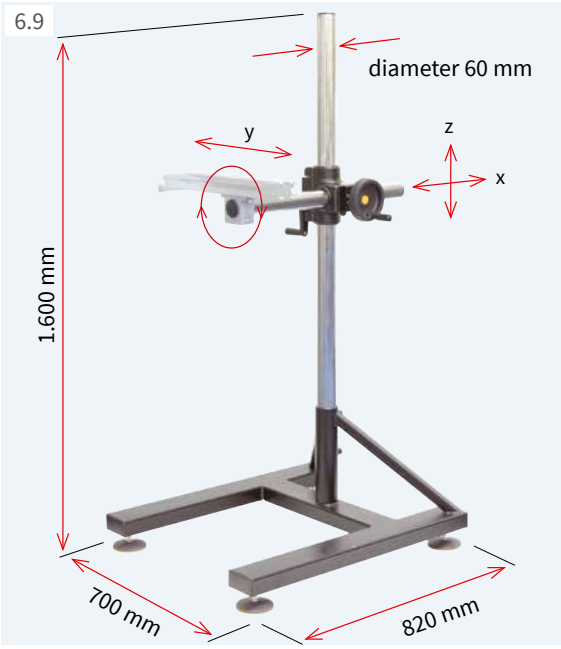
Floor stands provided for HERMES Q



HERMES Q can be installed to a production line and aligned in three axes to the product to label. Pivoting is also possible.

Floor stand 1601
It benefits when operating HERMES Q in different production lines. Mobility is provided. At the place of operation, the floor stand can be fixed with the help of feet to adjust.

Floor stand		1601
Base frame		castors, feet
Adjustment of heights and depths		screw clamping
Load if offset is 500 mm	up to kg	50
Weight	kg	36

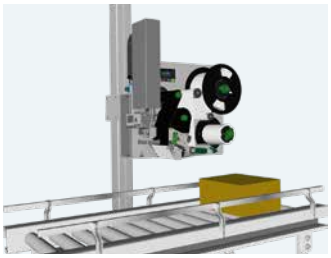


Floor stand 1602
It benefits if positions to apply labels are changing frequently in terms of heights and depths. HERMES Q can be aligned in directions x and z to a product using a toothed rack.

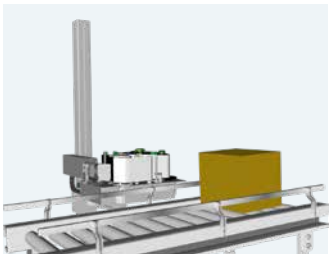
Floor stand		1602
Base frame		feet
Adjustment of heights depths		toothed rack, crank toothed rack, handwheel
Load if offset is 500 mm	up to kg	50
Weight	kg	38

Examples how to assemble to a stand

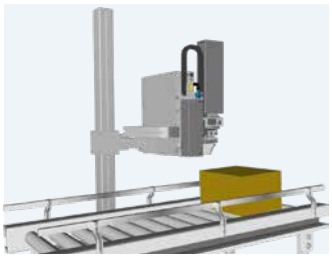
Applying labels in direction of transport
from the top



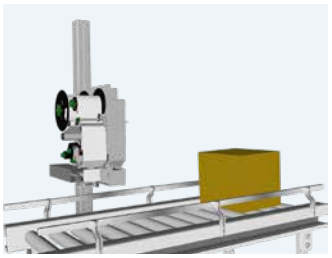
from the side



Applying labels crosswise the direction of transport
from the top

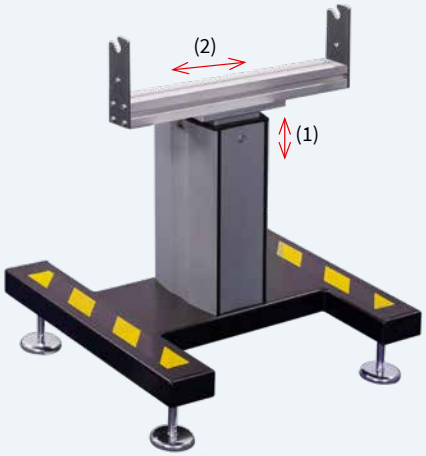


from the side



HERMES Q floor stand

6.10



Floor stand 1201
to assemble HERMES Q horizontally in a production line.
The height can be adjusted continuous using an integral spindle.

A unit to regulate compressed air can be assembled to the bracket, so can a warning light.

Floor stand		**1201**
Feet to adjust	by mm	± 15
Load	up to kg	75
(1) Lower label margin-floor[1)]	mm	720-960
(2) Depth along direction of transport	mm	± 100
Weight	approx. kg	40

[1)] further dimensions can be provided on request

HERMES Q delivery program

Label printers L

Pos.		Part no.	Designation
1.1		**6010003**	Label printer HERMES Q2L/300-2
		6010004	Label printer HERMES Q2L/600-2
1.2		**6010005**	Label printer HERMES Q4L/300-2
		6010006	Label printer HERMES Q4L/600-2
		6010007	Label printer HERMES Q4.3L/200-2
		6010008	Label printer HERMES Q4.3L/300-2
1.3		**6010009**	Label printer HERMES Q6.3L/200-2
		6010010	Label printer HERMES Q6.3L/300-2
1.1		**6010011**	Label printer HERMES Q2L/300-3
		6010012	Label printer HERMES Q2L/600-3
1.2		**6010013**	Label printer HERMES Q4L/300-3
		6010014	Label printer HERMES Q4L/600-3
		6010015	Label printer HERMES Q4.3L/200-3
		6010016	Label printer HERMES Q4.3L/300-3
1.3		**6010017**	Label printer HERMES Q6.3L/200-3
		6010018	Label printer HERMES Q6.3L/300-3

xxxxxxx.250 if HERMES Q provides options

Label printers R

Pos.		Part no.	Designation
1.1		**6010023**	Label printer HERMES Q2R/300-2
		6010024	Label printer HERMES Q2R/600-2
1.2		**6010025**	Label printer HERMES Q4R/300-2
		6010026	Label printer HERMES Q4R/600-2
		6010027	Label printer HERMES Q4.3R/200-2
		6010028	Label printer HERMES Q4.3R/300-2
1.3		**6010029**	Label printer HERMES Q6.3R/200-2
		6010030	Label printer HERMES Q6.3R/300-2
1.1		**6010031**	Label printer HERMES Q2R/300-3
		6010032	Label printer HERMES Q2R/600-3
1.2		**6010033**	Label printer HERMES Q4R/300-3
		6010034	Label printer HERMES Q4R/600-3
		6010035	Label printer HERMES Q4.3R/200-3
		6010036	Label printer HERMES Q4.3R/300-3
1.3		**6010037**	Label printer HERMES Q6.3R/200-3
		6010038	Label printer HERMES Q6.3R/300-3

xxxxxxx.250 if HERMES Q provides options

Scope of HERMES Q label printer delivery
HERMES Q label printer Power cable Type E+F, 1.8 m Connecting USB cable, 1.8 m Assembly instructions DE/EN

Provided online	
https://setup.cab.de/en	Assembly instructions DE/EN/FR Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers certified WHQL for Windows 10 Server 2016 Windows 11 Server 2019 Server 2022 Apple Mac OS X printer drivers DE/EN/FR Linux printer drivers DE/EN/FR cablabel S3 Lite software cablabel S3 Viewer Database Connector

Options

Pos.		Part no.	Designation
3.1		**6010860.250**	Automatic ribbon saving 4L
		6010861.250	Automatic ribbon saving 6L
		6010862.250	Automatic ribbon saving 4R
		6010863.250	Automatic ribbon saving 6R
3.2		**6010960.250**	UHF RFID/4L RS module
		6010961.250	UHF RFID/4L OM module
		on request	UHF RFID/6L RS module
		6010970.250	UHF RFID/4R RS module
		6010971.250	UHF RFID/4R OM module
		on request	UHF RFID/6R RS module
3.3		**6010591.xxx**	Label unwinder K40/2-2
		6010592.xxx	Label unwinder K40/4-2
		6010593.xxx	Label unwinder K40/6-2
		6010594.xxx	Label unwinder K40/2-3
		6010595.xxx	Label unwinder K40/4-3
		6010596.xxx	Label unwinder K40/6-3
3.4		**5961406.xxx**	Adapter 40/50
3.5		**5961262.xxx**	Adapter 76/100
3.6		**6010586.xxx**	Spacer Q L-2
		6010590.xxx	Spacer Q R-2
		6010905.xxx	Spacer Q L-3
		6010906.xxx	Spacer Q R-3
3.7		**5961650.xxx**	Margin stop 10
3.8		**6010500.xxx**	Cover 2L F60
		6010933.xxx	Cover 2L F100
		6010501.xxx	Cover 4L F60
		6010937.xxx	Cover 4L F100
		6010502.xxx	Cover 6L F25
		6010503.xxx	Cover 2R F60
		6010939.xxx	Cover 2R F100
		6010504.xxx	Cover 4R F60
		6010941.xxx	Cover 4R F100
		6010505.xxx	Cover 6R F25
3.9		**6010840.xxx**	Print head pressure system 2L
		6010841.xxx	Print head pressure system 4L
		6010842.xxx	Print head pressure system 6L
		6010843.xxx	Print head pressure system 2R
		6010844.xxx	Print head pressure system 4R
		6010845.xxx	Print head pressure system 6R
3.10		**6010557.xxx**	Extended peel-off plate (+10 mm) 2L
		6010558.xxx	Extended peel-off plate (+10 mm) 4L
		6010559.xxx	Extended peel-off plate (+10 mm) 6L
		6010563.xxx	Extended peel-off plate (+10 mm) 2R
		6010564.xxx	Extended peel-off plate (+10 mm) 4R
		6010565.xxx	Extended peel-off plate (+10 mm) 6R
3.11		**5954978.xxx**	Print roller DRS2
		5954985.xxx	Print roller DRS4
		5954979.xxx	Print roller DRS6
3.12		**5961640.xxx**	Antistatic brush 2L
		5961644.xxx	Antistatic brush 4L
		5961642.xxx	Antistatic brush 2R
		5961646.xxx	Antistatic brush 4R
3.13		**5961750.xxx**	Draw roller ZS2
		5961751.xxx	Draw roller ZS4
		5961752.xxx	Draw roller ZS6
3.14		**5591816.xxx**	Interface for plugging an external label sensor
3.15		**6010520.xxx**	2 port Ethernet switch 10/100 Mbit/s
3.16		**5977487.xxx**	Label sensor L, modified
		6010498.xxx	Label sensor R, modified

xxx - .250 assembled to the printer
.001 delivered separately

HERMES Q delivery program

Accessories

Pos.		Part no.	Designation
2.1		**5977370**	SD memory card
2.2		**5977730**	USB memory stick
2.3		**5978912**	USB WLAN stick 2.4 GHz 802.11b/g/n
2.4		**5977731**	USB WLAN stick including a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.6		**5970071**	Product sensor, 3 pins
2.7		**5964300**	Product sensor, 25 pins
2.8		**5917651**	I/O interface connector SUB-D, 25 pins
2.9		**6010560**	Warning light
2.10		**6010186**	External operation panel
		5907718.850 **5907730.850** **5907750.850** **5907760.850** **5907765.850**	Connecting USB cable, 1.8 m Connecting USB cable, 3 m Connecting USB cable, 5 m Connecting USB cable, 11 m Connecting USB cable, 16 m
2.11		**5948205**	Label selection - I/O box
2.12		**5955710**	Hand switch TR2
2.13		**5955711**	Foot switch
2.14		**5550818**	Connecting RS232 C cable 9/9 pins, 3 m
2.15		on request	Scanner CC200

Label software

Pos.		Part no.	Designation
7.6		Bundle **5588001** **5588100** **5588101** **5588150** **5588151** **5588152** **5588002** **5588105** **5588106** **5588155** **5588156** **5588157** in preparation	cablabel S3 Lite (download on cab.de/en) 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 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

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.

Wear parts

Pos.		Part no.	Designation
		**5977384.001**	Print head 2/300
		5977385.001	Print head 2/600
		5977444.001	Print head 4/300
		5977380.001	Print head 4/600
		5977382.001	Print head 4.3/200
		5977383.001	Print head 4.3/300
		5977386.001	Print head 6.3/200
		5977387.001	Print head 6.3/300
		**5954102.001**	Print roller DR2
		5954180.001	Print roller DR4
		5954245.001	Print roller DR6
		**5961015.001**	Draw roller ZR2
		5961298.001	Draw roller ZR4
		5961220.001	Draw roller ZR6
Pos.		**Part no.**	**OM operation, RFID antenna assembled**
		**5987177.001**	Print head 4.3/200 RFID
		5987178.001	Print head 4.3/300 RFID
		5987179.001	Print head 4/300 RFID
		5987180.001	Print head 4/600 RFID
		5987808.001	Print head 6.3/200 RFID
		5987809.001	Print head 6.3/300 RFID

User languages

Language	Assembly instructions	Control panel	Windows driver	Service manual	cablabel S3
European Union					
Bulgarian		X	X		X
Danish	X	X	X		
German	X	X	X	X	X
Estonian		X	X		
Finnish	X	X	X		
French	X	X	X		X
Greek		X	X		
English	X	X	X	X	X
Italian	X	X	X		X
Croatian		X	X		
Latvian		X	X		
Lithuanian		X	X		
Dutch	X	X	X		
Polish	X	X	X		X
Portuguese	X	X	X		
Romanian	X	X	X		
Swedish	X	X	X		
Slovak		X	X		
Slowenian	X	X	X		
Spanish	X	X	X		X
Czech	X	X	X		X
Hungarian	X	X	X		
Europe (Non-EU)					
Macedonian		X	X		
Norwegian		X	X		
Russian	X	X	X		X
Serbian		X	X		
Turkish		X	X		
Asia					
Chinese (simplified)	X	X	X		X
Chinese (traditional)	X	X	X		X
Japanese			X		
Korean	X		X		X
Thai		x	X		
Middle East					
Arabian		X			
Persian		X			

HERMES Q delivery program

Applicators L

Pos.		Part no.	Designation		Part no.	Transfer modules	
4.1		**5987532**	Swing applicator	HQ 3214L-40	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad	3214L-11 F W x H 3214L-12 F W x H 3214L-61 F W x H 3214L-2100 W x H
4.2		**5987549** **5987550** **5987551** **5989352**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4114L-200 HQ 4114L-300 HQ 4114L-400 HQ 4114L-600	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad Form pad	4114L-11 F W x H 4114L-12 F W x H 4114L-61 F W x H 4114L-2100 W x H 4114L-8800 W x H
		5987802 **5987803** **5987804**	Stroke applicator Stroke applicator Stroke applicator	HQ 4116L-200 HQ 4116L-300 HQ 4116L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Form pad	4116L-11 F W x H 4116L-12 F W x H 4116L-61 F W x H 4116L-8800 W x H
4.3		**5987557** **5987558** **5987559**	Stroke turn applicator Stroke turn applicator Stroke turn applicator	HQ 4214L-200 HQ 4214L-300 HQ 4214L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad	4214L-11 F W x H 4214L-12 F W x H 4214L-61 F W x H 4214L-2100 W x H
4.4		**5987573** **5987574** **5987575**	Stroke applicator Stroke applicator Stroke applicator	HQ 4414L-200 HQ 4414L-300 HQ 4414L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop	4414L-11 F W x H 4414L-12 F W x H 4414L-61 F W x H
4.5		**5987724** **5987726** **5987728**	Swing stroke applicator Swing stroke applicator Swing stroke applicator	HQ 4514L-200 HQ 4514L-300 HQ 4514L-400	**xxxxxxx**	Blow-on pad	4514L-2100 W x H
4.6		**5987548**	Flag applicator	HQ 4712L-300	**xxxxxxx**	Form pad	..... W x H
4.7		**5987520** **5987521** **5987522** **5989343**	Front side applicator Front side applicator Front side applicator Front side applicator	HQ 3014L-200 HQ 3014L-300 HQ 3014L-400 HQ 3014L-600	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted Blow-on pad	3014L-1100 W x H 3014L-3100 W x H 3014L-2100 W x H
		5987523 **5987524** **5987525** **5989346**	Front side applicator Front side applicator Front side applicator Front side applicator	HQ 3016L-200 HQ 3016L-300 HQ 3016L-400 HQ 3016L-600	**xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted	3016L-1100 W x H 3016L-3100 W x H
4.8		**5987534** **5987535** **5987536** **5987537**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4014L-200 HQ 4014L-300 HQ 4014L-400 HQ 4014L-600	**5966147** **5966148** **5966149** **5966150**	Universal pad Universal pad Universal pad, spring-mounted Universal pad, spring-mounted	4014L-1100 75 x 60 4014L-1100 90 x 90 4014L-3100 116 x 102 4014L-3100 116 x 152
					xxxxxxx **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Blow-on pad Tamp-on 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
		5987541 **5987542** **5987543** **5989344**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4016L-200 HQ 4016L-300 HQ 4016L-400 HQ 4016L-600	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted Roll-on pad	4016R-11 F W x H 4016R-3100 W x H 4016R-4100 W x H
4.9		**5989285** **5989286** **5989287** **5989288**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4024L-200 HQ 4024L-300 HQ 4024L-400 HQ 4024L-600	**5989301** **5989302** **5989303**	Vacuum plate Vacuum plate Vacuum plate	4024-3000 105 x 100 4024-3000 105 x 150 4024-3000 105 x 200
4.10		**5987736** **5987738** **5987740**	Stroke blow applicator Stroke blow applicator Stroke blow applicator	HQ 4614L-200 HQ 4614L-300 HQ 4614L-400	**xxxxxxx**	Blow-on pad	4614L-2100 W x H
4.11		**6010890** **5966144** **5966146**	Demand module Demand module Demand module	HQ 5112L HQ 5114L HQ 5116L			
4.12		**5972870** **5987552** **5989291** **5989292** **5987710** **5989293**	Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator	HQ 5314L-2 HQ 5314L-3 HQ 5314L-4 HQ 5316L-2 HQ 5316L-3 HQ 5316L-4			
4.13		**5987714** **5989294** **5987718** **5987720**	Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator	HQ 5414L-3 HQ 5414L-4 HQ 5416L-3 HQ 5416L-4			
4.14		**6011850**	Demand table	HQ 5714L-100			
4.15		**5987564**	Air jet box 5 templates are included	HQ 6114L	**5984709.001**	Template 5 items are included in a pack unit	6114 L/R

xxxxxxx - customer-specific part no. subsequent to request

HERMES Q delivery program

Applicators R

Pos.		Part no.	Designation		Part no.	Transfer modules	
4.1		**5987533**	Swing applicator	HQ3214R-40	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad	3214L-11 F W x H 3214L-12 F W x H 3214L-61 F W x H 3214L-2100 W x H
4.2		**5987553** **5987554** **5987555** **5989353**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4114R-200 HQ 4114R-300 HQ 4114R-400 HQ 4114R-600	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad Form pad	4114L-11 F W x H 4114L-12 F W x H 4114L-61 F W x H 4114L-2100 W x H 4114L-8800 W x H
		5987812 **5987813** **5987814**	Stroke applicator Stroke applicator Stroke applicator	HQ 4116R-200 HQ 4116R-300 HQ 4116R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Form pad	4116L-11 F W x H 4116L-12 F W x H 4116L-61 F W x H 4116L-8800 W x H
4.3		**5987561** **5987562** **5987563**	Stroke turn applicator Stroke turn applicator Stroke turn applicator	HQ 4214R-200 HQ 4214R-300 HQ 4214R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop Blow-on pad	4214L-11 F W x H 4214L-12 F W x H 4214L-61 F W x H 4214L-2100 W x H
4.4		**5987577** **5987578** **5987579**	Stroke applicator Stroke applicator Stroke applicator	HQ 4414R-200 HQ 4414R-300 HQ 4414R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, providing a damping layer Tamp-on pad, providing a label stop	4414L-11 F W x H 4414L-12 F W x H 4414L-61 F W x H
4.5		**5987730** **5987732** **5987734**	Swing stroke applicator Swing stroke applicator Swing stroke applicator	HQ 4514R-200 HQ 4514R-300 HQ 4514R-400	**xxxxxxx**	Blow-on pad	4514L-2100 W x H
4.7		**5987526** **5987527** **5987528** **5989354**	Front side applicator Front side applicator Front side applicator Front side applicator	HQ 3014R-200 HQ 3014R-300 HQ 3014R-400 HQ 3014R-600	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted Blow-on pad	3014L-1100 W x H 3014L-3100 W x H 3014L-2100 W x H
		5987529 **5987530** **5987531** **5989355**	Front side applicator Front side applicator Front side applicator Front side applicator	HQ 3016R-200 HQ 3016R-300 HQ 3016R-400 HQ 3016R-600	**xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted	3016L-1100 W x H 3016L-3100 W x H
4.8		**5987538** **5987539** **5987540** **5989363**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4014R-200 HQ 4014R-300 HQ 4014R-400 HQ 4014R-600	**5966140** **5966141** **5966142** **5966143**	Universal pad Universal pad Universal pad, spring-mounted Universal pad, spring-mounted	4014L-1100 75 x 60 4014L-1100 90 x 90 4014L-3100 116 x 102 4014L-3100 116 x 152
					xxxxxxx **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Blow-on pad Tamp-on 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
		5987545 **5987546** **5987547** **5989356**	Stroke applicatorr Stroke applicator Stroke applicator Stroke applicator	HQ 4016R-200 HQ 4016R-300 HQ 4016R-400 HQ 4016R-600	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp-on pad Tamp-on pad, spring-mounted Roll-on pad	4016R-11 F W x H 4016R-3100 W x H 4016R-4100 W x H
4.9		**5989295** **5989296** **5989297** **5989298**	Stroke applicator Stroke applicator Stroke applicator Stroke applicator	HQ 4024R-200 HQ 4024R-300 HQ 4024R-400 HQ 4024R-600	**5989301** **5989302** **5989303**	Vacuum plate Vacuum plate Vacuum plate	4024-3000 105 x 100 4024-3000 105 x 150 4024-3000 105 x 200
4.10		**5987742** **5987744** **5987746**	Stroke blow applicator Stroke blow applicator Stroke blow applicator	HQ 4614R-200 HQ 4614R-300 HQ 4614R-400	**xxxxxxx**	Blow-on pad	4614L-2100 W x H
4.11		**6010910** **5966145** **5966152**	Demand module Demand module Demand module	HQ 5112R HQ 5114R HQ 5116R			
4.12		**5987708** **5987556** **5989357** **5989358** **5987712** **5989359**	Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator	HQ 5314R-2 HQ 5314R-3 HQ 5314R-4 HQ 5316R-2 HQ 5316R-3 HQ 5316R-4			
4.13		**5987716** **5989360** **5987722** **5989361**	Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator Vacuum belt applicator	HQ 5414R-3 HQ 5414R-4 HQ 5416R-3 HQ 5416R-4			
4.15		**5987565**	Air jet box 5 templates are included	HQ 6114R	**5984709.001**	Template 5 items are included in a pack unit	6114 L/R

xxxxxxx - customer-specific part no. subsequent to request

Accessories provided for applicators

Pos.		Part no.	Designation
5.13		**5964277.001** **5964095.001** **5964614.001**	Blow tube 2“ Blow tube 4“ Blow tube 6“
5.14		**6010880** **6010881**	Unit L to regulate compressed air Unit R to regulate compressed air
5.16		**5984805** **5984795**	Unit L to regulate compressed air, providing a shut-off valve Unit R to regulate compressed air, providing a shut-off valve

Options provided for applicators

Pos.		Part no.	Designation
5.17		**596xxxx.212**	Pressure-reducing valve
		xxxx - applicator part no.	
5.18		**596xxxx.220**	Pressure-reduced applicator suitable for HQ 4014, HQ 4114, HQ 4414, HQ 4214 / 300 stroke
		xxxx - applicator part no.	

Tools for assembly

Pos.		Part no.	Designation
6.1		**5965940**	Adapter plate
6.2		**5958365** **5965929** **5971721** **5987701** **5987702** **5987703**	Profile 40 Profile 80 Profile 120 Profile 160 Profile 200 Profile 300
6.3		**5961203**	Base plate 500 x 255 mm
6.4		**5989277**	Base plate with XY Stop and product sensor
6.5		**5955685**	Bracket
6.6		**8914443**	Clamped joint designed for a 50 x 50 mm profile
6.7		**8914444**	Flanged joint designed for a 50 x 50 mm profile

Floor stands

Pos.		Part no.	Designation
6.8		**5970113**	Floor stand 1601
6.9		**5970112**	Floor stand 1602
6.10		**5972515**	Floor stand 1201

Overview of cab products

Label printers
MACH1, MACH2

Label printers
EOS 2

Label printers
EOS 5

Label printers
MACH 4S

Label printers
SQUIX 2

Label printers
SQUIX 4

Label printers
SQUIX 6.3

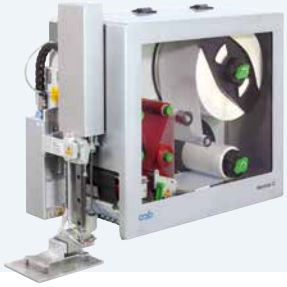
Label printers
SQUIX 8.3

Label printers
XD Q double-sided

Label printers
XC Q two-colored

Print and apply systems
HERMES Q

Print and apply systems
Hermes C two-colored



Tube labeling systems
AXON 1

Print modules
PX Q

Labels and ribbons

Label software
cablabel S3

Label dispensers
HS, VS

Labeling heads
IXOR

Marking lasers
XENO 4

Laser marking systems

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JISL

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