

Status: 12/2025



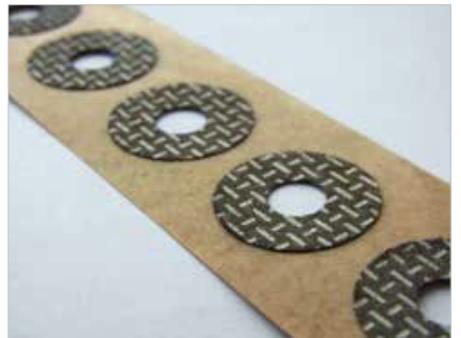
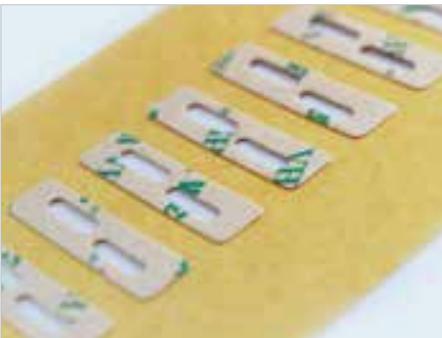
# ROXI

with HERMES  
applicators

Labeling systems  
for industrial use

Made in Germany

## Sample applications



# ROXI labeling head with a HERMES Q applicator

# ROXI

## Precise application of labels and molded parts:

- Protective films
- GORE-TEX membranes
- Gaskets
- Heat conduction pads
- Shields

## Products of variable heights

Labeling onto objects at rest;  
insert labeling using a blow-on / roll-on pad

Solid construction, perfect in every way



## Compact and slim design

Easy to install into production lines or labeling systems

## Any assembly

Vertical, horizontal, inclined, providing labels to the left or right

## Durable and easy to maintain

Designed for continuous industrial use

Free firmware updates via Ethernet, USB interface or FTP software

## High quality and reliability

Tried and tested functional modules Made in Germany

## Safety guaranteed

Certified by independently authorized testing labs

## Short setup times

Quick and simple material changeover

## Useful accessories

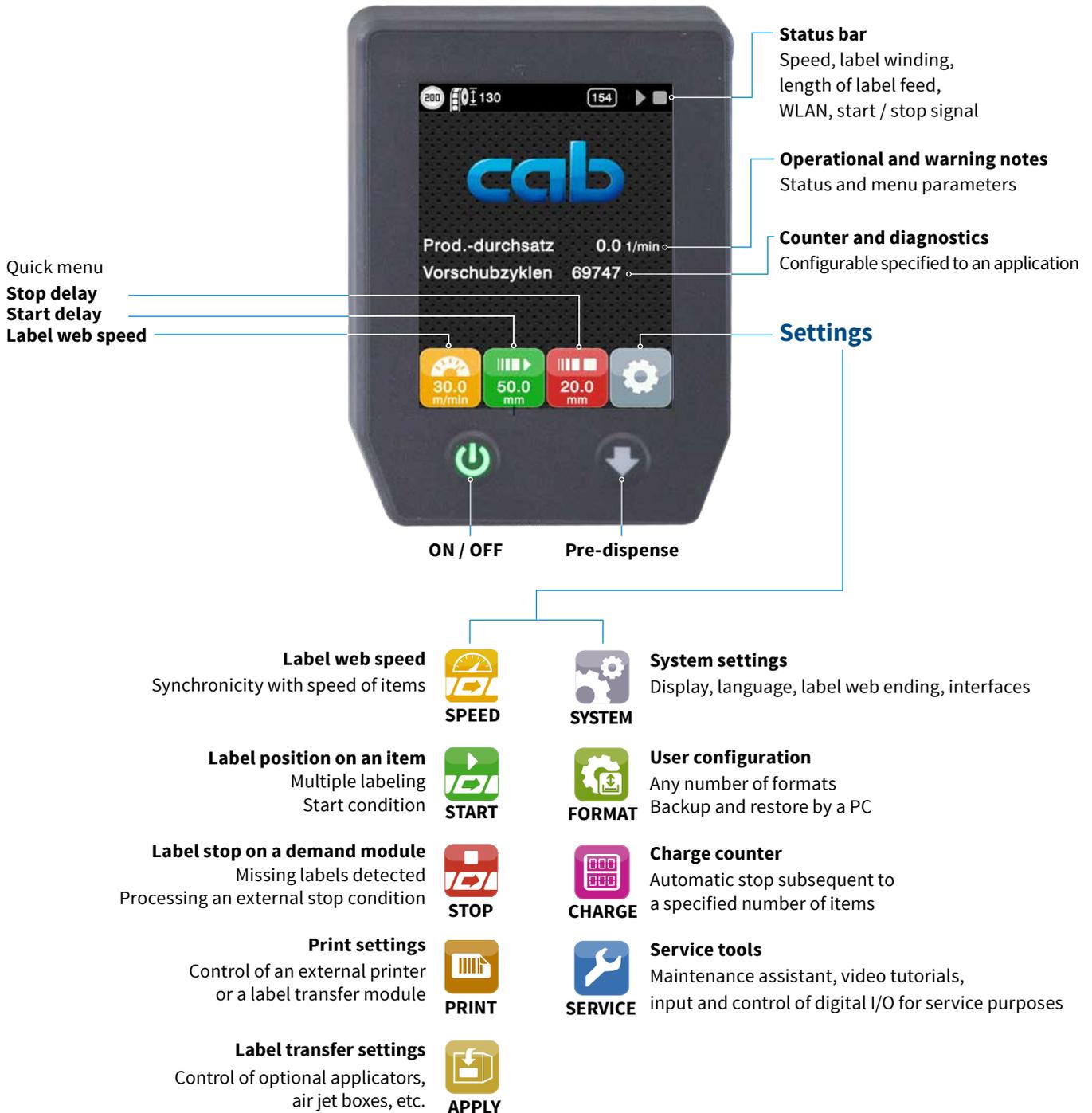
Columns, stands, connecting cables, and many others help with installation ready for use.

# Operation panel

ROXI

**Intuitive and easy to operate**  
**Rotatable by 180°, depending**  
**on the installation of a unit.**

**Unit configuration with the help of self-**  
**explanatory symbols on the user interface**



# Firmware

## Embedded Linux operating system



- Support 'out-of-the-box' of Open Source bundles and interfaces, such as FTP, SSL, Avahi/Zeroconf



- Regular updates for hotfixes and official CVE security patches
- Comprehensive release notes with each update

## Full compatibility of labeling heads



- Same codebase on ROXI and IXOR
- Identical firmware file
- Further developments are immediately available on every unit.

## Maintenance and diagnostics



- Web Interface
- Event log for activity tracking
- Diagnostics files in standardized XML text format

## Interfaces and user-specific features

	USB stick	Web interface	FTP software
Access to entire documentation of a unit	✓	✓	✓
Backup and restore	✓	✓	✓
Configuration reading and import	✓	✓	✓
Firmware update	✓		✓



### VNC LAN / WLAN

Remote control by a PC, smartphone, tablet



### Feed path schemes

On display

## Upgrades

- Protocols such as MQTT as well as features like the masterencoder can be unlocked by key (online purchase).

## Remote support

- Diagnostics service by use of an existing customer network
- Special software oscilloscope, maximum resolution 1 ms, for unlimited use during production

## Integral Ethernet protocols for higher-level machine control systems

**MQTT** • MQTT, ModBus TCP

**OPC UA** • OPC UA

- PROFINET** • Profinet available from December 2025
- Access via PLC and an industrial PC to parameters, I/O signals, error messages
  - Unlocked by key

## Redundancy provided upon request

# Interfaces

# ROXI



- 1 Power plug**
- 2 Cold device socket**
- 3 Two USB hosts**  
for a warning light, an external operation panel, USB / WLAN stick
- 4 Ethernet**  
TCP/IP data transmission
- 5 START**  
By signal, for example a product sensor
- 6 I/O**  
Compliant to IEC/EN 61131-2, type 1+3; All inputs and outputs protect from reverse polarity. Outputs are also short-circuit proof
- 7 SYNC**  
A label web is synchronized by a masterencoder (rotary → linear upon request) to the speed of an item on a conveyor



### Digital inputs

Labeling head ON  
Pre-dispense  
Start labeling  
Start labeling locked  
Error reset  
User-defined

### Analog inputs

Speed  
Start delay  
Stop delay

### Digital PNP outputs

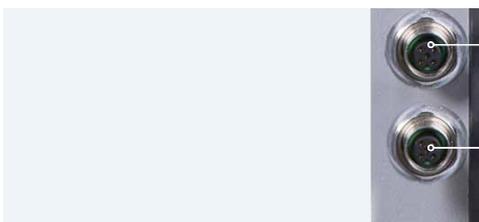
Labeling head ready  
Pre-dispense  
Stop label feed  
Label feed running  
Label missing on liner  
End of label web  
Prior warning to label web ending  
Error  
User-defined

### Status indications on the operation panel

all inputs and outputs

Helpful with initial setup, especially when integrating a labeling head in external control systems

Inputs and outputs can be simulated or forced for testing purposes.



- 8 PRINT & APPLY**  
Peripheral interface for plugging a printer and controlling a transfer unit with 24 VDC
- 9 STOP**  
Plug of a label sensor for detecting the leading edge of a label optically or inductively

# Technical data

# ROXI

<b>Width of a roll on ROXI</b>		<b>mm max.</b>	<b>60</b>	<b>120</b>	<b>180</b>
Label web speed		m/min max.	30	30	30 <sup>2)</sup>
Cycle rate		labels/min	It is determined by the length of a label and the speed of an item running on a conveyor and can be simulated on the operation panel.		
Installation			vertical / horizontal		
Direction to which labels are provided			L = to the left, R = to the right		
<b>Material<sup>1)</sup></b>					
Label		on a roll	paper, synthetics PET, PE, PP, PVC / booklets upon request		
	Width	mm	10 - 56	10 - 116	10 - 176
	Length at feeding	mm	10 - 250 (from 4 on request)		
	Gap	mm at least	2		
	Thickness	mm	0.055 - 3		
Liner	Width	mm	15 - 60	15 - 120	15 - 180
Roll	Weight	kg max.	12		
Unwinder	Outside diameter	mm	300		
	Core diameter	mm	76		
	Winding		outside or inside		
Rewinder	Outside diameter	mm	210		
	Core diameter	mm	76		
<b>Label sensor</b>					
		Features	detection of label margins and materials ending		
Distance to locating edge	CEON	mm	9 - 30	9 - 60	9 - 90
	GAB 500-1	mm	7.5 - 17.5		
	GAB 500-2	mm	8 - 40		
<b>Operating data</b>					
Voltage			100 - 240 V~, 50 - 60 Hz		
Current consumption			100 VAC up to 2 A / 240 V up to 1 A		
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		
		in preparation	cULus, CB		
Protection class			IP 40		
<b>Operation panel</b>					
		LED	ON / OFF, FEED		
LCD graphics display	Width x Height	mm	54 x 70		
<b>Control</b>					
			Prior warning to a label web ending, broken liner torque, temperature, voltage		

<sup>1)</sup> Limitations can occur when processing small labels, thin materials or materials using a strong adhesive. Such applications require testing.

<sup>2)</sup> Calculated using a roll as wide as 180 mm and labels 98 mm long. Other dimensions require testing.

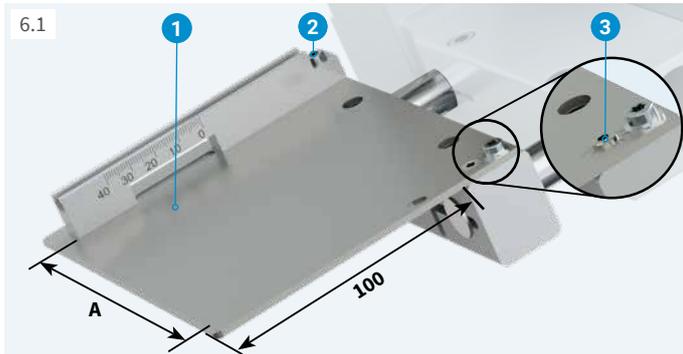
Labeling head	Dimensions A mm	Dimensions B mm	Weights kg
<b>ROXI 60</b>	60	140	11.5
<b>ROXI 120</b>	120	145	12
<b>ROXI 180</b>	180	205	13

Mounting rod	Dimension L1 mm
<b>MS 25</b>	25

Scopes of delivery, designs and technical data correspond to the date of this publication. They are subject to change. Catalogue data do not represent any warranty or guarantee.

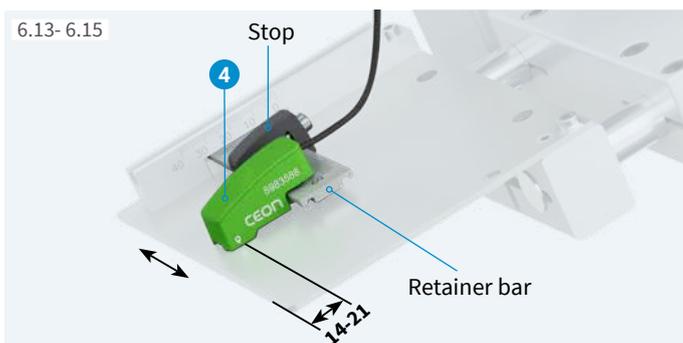
# Demand modules, mounting rods, sensors

A demand module consists of a dispenser tongue ① and a guide ②.



It is connected to the labeling head via a smart communication interface. Teaching is performed on the operation panel. Entire calibration takes just two labels.

A ceramic probe inductively detects the difference in height from a liner to the top of a label. The sensor can be aligned along the retainer bar. Distances can be easily set using a scale.



## SP demand modules

The path of a label web can be aligned even during labeling using an extender ③.

Demand module	Direction to which labels are provided		Dimensions A mm
	Types left	Types right	
	SP 100/60L	SP 100/60R	62
	SP 100/120L	SP 100/120R	124
	SP 100/180L	SP 100/180R	186

## Mounting rods

Two mounting rods are required per unit.

Mounting rod	Dimension L1 mm
MS 25	25

## CEON label sensor ④

CEON label sensor	
Functional method	inductive, using a ceramic probe
Material Label	paper, synthetics, opaque or transparent
Liner	opaque, transmissive or transparent
Thickness of a label mm	0.05 - 1.0
Gap between labels mm	>2
Accuracy of repetition mm	± 0.05

## Stop

It is adjustable for accurate spotting after sensor disassembly.

## Retainer bar

Three lengths are provided. It is assembled in conjunction with a stop onto the dispenser tongue.

Retainer bar	Types	Sensor distant to locating edge mm	With stop in use mm
		CEON 30	10 - 30
	CEON 60	10 - 60	20 - 60
	CEON 90	10 - 90	20 - 90

## GAB 500-1 forked light barrier

Assembled onto a demand module

Sensor distances to the locating edge are 7.5 mm to 17.5 mm

GAB 500-1 forked light barrier	
Functional method	optical, transmitter / receiver
Material Label	paper, synthetics, opaque
Liner	transmissive, transparent
Material gap mm	3
Gap between labels mm	>2
Accuracy of repetition mm	± 0.05
Range of adjustable distance C to locating edge mm	7.5 - 17.5

## GAB 500-2 forked light barrier

Assembled onto a retainer

Sensor distances to the locating edge are 8.0 mm to 40 mm.

GAB 500-2 forked light barrier	
Functional method	optical, transmitter / receiver
Material Label	paper, synthetics, opaque
Liner	transmissive, transparent
Material gap mm	5
Gap between labels mm	>2
Accuracy of repetition mm	± 0.05
Range of adjustable distance C to locating edge mm	8.0 - 40

**Retainer** for assembly at any spot to mounting rods, fixed by screws

Retainer	Types	Dimensions D mm
		GAB 500-2/124
	GAB 500-2/186	166

## Options

# ROXI

5.1



Front

Back

### ATP carrier plate

The applicator is assembled to the carrier plate and can be pivoted for material changeover and servicing.

The unit to regulate compressed air provides a pressure control valve, a display and a fine filter. It is attached to the back.

The carrier plate can be mounted for providing labels either to the left or right.

5.2



### UR D60 deflection rollers

Deflection rollers 1 and 2 with a diameter of 60 mm help with materials that detach from a liner material when bent at a tight radius.

	Type	Diameter mm	Widths B mm
Deflection roller	UR D60/62	60	62
	UR D60/124	60	124
	UR D60/186	60	186
Guide	FR D60	-	-

## Accessories

7.1, 7.2



### Product sensor

Dispensing a label is triggered as soon as an item has been detected. 200 mm maximum detectable track

Cable M12-M8, 5 pins, a-coded, 2.5 m included

7.6



7.7



### External operation panel

Same functionality as on a labeling head

Users are free to decide whether to operate an external panel or the one integral to a dispenser.

1 **USB slot**, transmitting configuration or firmware transfer

2 **LED**: Power ON

Connecting USB cables 1.8 m, 3 m, 5 m (11 m upon request)

7.8



### Warning light

Plugged to a labeling head

**Red** Collective error, e.g. label web ending, broken liner

**Yellow** Prior warning to a label web ending

**Green** Unit ready

Connecting USB cable 1 m

7.14



7.15



### I/O interface cable, wire-end-ferruled

M12, 17 pins, 5 m

### Extending I/O cable

M12, 17 pins, 2.5 m, 10 m

# Assembly assistance

**ROXI**

Labeling heads may be installed user-specific into production lines or labeling systems.

Unit retainers with tie rods and column stands with accessories make up a construction kit.



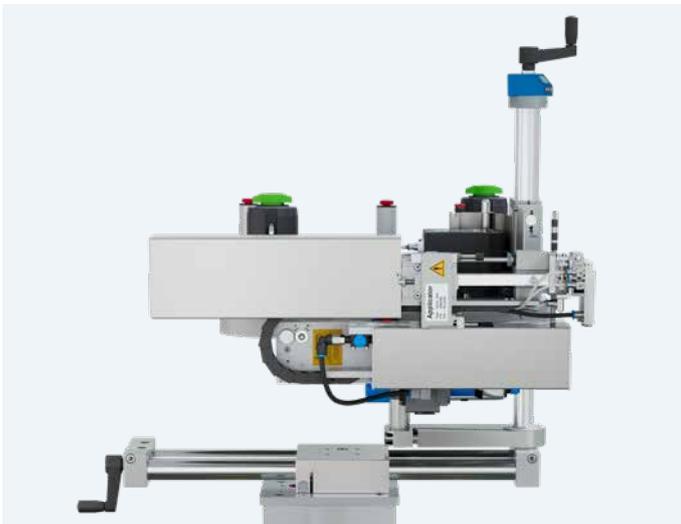
### Movable unit retainers

A labeling head is mounted on two columns. On these, dispensing spots can be adjusted transversely to the direction of product transport.

Fixation ROXI: on chassis using a knurled screw

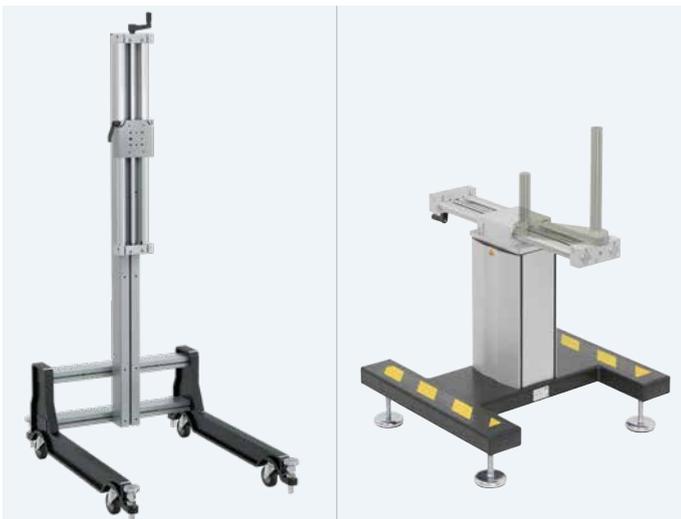
Preferred with vertical installation of a labeling head.

Operating the crank when assembling onto a column frame requires a minimum distance of 40 mm between the tie rod and the chassis.



### Unit retainers adjustable by spindle

They enable precise dispensing spots. Adjustments by spindle are possible with labeling heads been installed either vertically or horizontally. The hand crank enables a dispensing spot shifted by 3 mm per rotation.



### 1632 floor stand

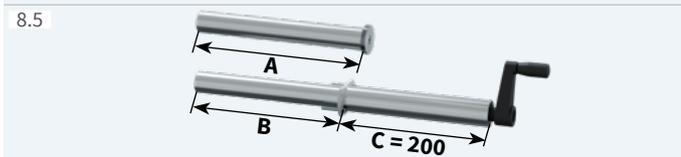
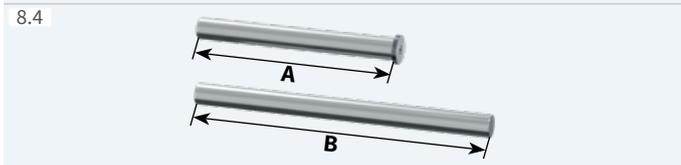
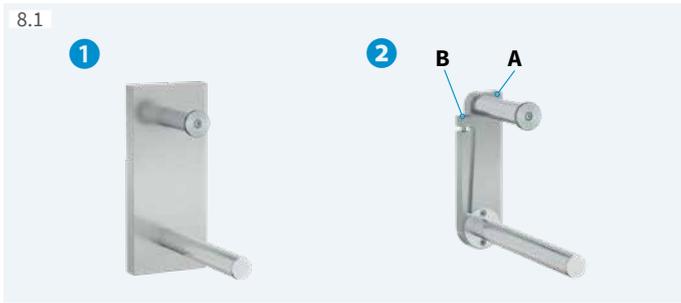
Primarily suggested when **applying labels from the top**. As a mobile tool, it can be locked and set on-site by leveling feet.

### 1231 floor stand

Primarily suggested when **applying labels from the side**. It can be adapted to heights and be locked and set on-site by leveling feet.

See ROXI / IXOR catalog

# Unit retainers



**1 Plate / profile assembly**

Both rods can be assembled directly onto a plate or a profile.

**2 Assembly by tie rod**

It allows adjusting the dispensing angle to a product. The upper rod is clamped to the tie rod and secured by screw A. The lower rod and the collar bearing are screwed to the column stand or a plate.

	Types	Adjustable track		Column length	
		Tie rod mm	Plate mm	Dim. A mm	Dim. B mm
<b>Unit retainers fixed</b>	<b>GHF 120</b>	0	20	80	226
	<b>GHF 180</b>	0	20	80	288
<b>Unit retainers movable</b>	<b>GHV 120/100</b>	100	120	180	325
	<b>GHV 180/100</b>	100	120	180	390
	<b>GHV 120/200</b>	200	220	280	425
	<b>GHV 180/200</b>	200	220	280	490
<b>Unit retainers adjustable by spindle</b>	<b>GHS 120/150</b>	150	150	230	225 - 375
	<b>GHS 180/150</b>	150	150	230	286 - 498

# Column stands, base plate



**Column stands**

Assembly of a labeling head onto a base plate or a conveyor. Position setting using a hand crank. Column diameter 30 mm

	Types	Column length mm	Adjustable track mm
<b>Column stands</b>	<b>SST 400</b>	400	195
	<b>SST 600</b>	600	395
	<b>SST 800</b>	800	595

**Base plate – xy stop and product sensor included**

Use with labels provided to the left (right upon request). Standard dimensions are 400 mm x 500 mm

# Position indicator



**1 EPOS electronic position indicator**

Display settings  
 - counting up or down - mm or inch  
 - reset display value - absolute or incremental  
 - offset value

**Adapter kit**

The position indicator can be aligned to optimum display regardless of the orientation of assembly of a labeling head.

**1 GHS adapter kit** for unit retainers

**2 SST adapter kit** for column stands

# HERMES Q applicators

## Easy to configure

The applicator can be fully set on the ROXI 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 via ROXI interfaces.

### 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, 400 and 600 mm. Further lengths can be provided upon request

### 3 Protective chassis

to protect the cylinder and the guide

### 4 Highly reliable processes

Support air and intake air can be defined, so can stroke speed. Sensor control

### 5 Label sizes

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 cases 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.

## Accessory

### Blow tubes

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

5.13



# Applicators, transfer modules and options

## Overview

Applicators	Page	ROXI			Universal pad	Tamp-on pad	Tamp-on pad, damping layer	Tamp-on pad, label stop	Blow-on pad	Form pad	Tamp-on pad, spring-mounted	Universal pad, spring-mounted	Tamp-on pad, spring-mounted	Roll-on pad	Corner-wrap pad	Brush	Pressure-reducing valve	Pressure-reduced applicator	
		60	120	180															
		Order code																	11
Product marking	Stroke applicator	14	HQ 4114	HQ 4114		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	
		14			HQ 4116		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>							<input type="checkbox"/>	
	Stroke turn applicator	15	HQ 4214	HQ 4214		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									<input type="checkbox"/>	<input type="checkbox"/>
	Stroke applicator	16	HQ 4414	HQ 4414		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										<input type="checkbox"/>	<input type="checkbox"/>
	Swing stroke applicator	17	HQ 4514	HQ 4514					<input type="checkbox"/>										
	Flag applicator	18		HQ 4712						<input type="checkbox"/>									
Package marking	Stroke applicator	20/21		HQ 4014	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
		20/21			HQ 4016		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		
	Stroke applicator	19		HQ 4024						<input type="checkbox"/>								<input type="checkbox"/>	
	Stroke blow applicator	22		HQ 4614					<input type="checkbox"/>										
	Air jet box	23		HQ 6114												<input type="checkbox"/>			

### Applicator type code index HQ 4414L-200

Type	HQ 441
Labeling head	ROXI LS 60 <b>2</b> ROXI LS 120 <b>4</b> ROXI LS 180 <b>6</b>
Labels provided	to the left <b>L</b> to the right <b>R</b>
Cylinder stroke	<b>200</b> <b>300</b> <b>400</b> <b>600</b> <b>800</b> → upon request

### Transfer module type code index 4014R-1100

Applicator (see applicator type codes)	4014R
Type Universal / tamp-on pad	with sliding foil <b>11</b>
Tamp-on pad	providing a damping layer <b>12</b>
Tamp-on pad, label stop	with sliding foil <b>61</b>
Blow-on pad	with sliding foil <b>21</b>
Form pad	<b>88</b>
Tamp-on pad, spring-mounted	no sliding foil <b>30</b>
Universal / tamp-on pad, spring-mounted	with sliding foil <b>31</b>
Roll-on pad	with sliding foil <b>41</b>
Corner-wrap pad	with sliding foil <b>51</b>
<input type="checkbox"/> Depth of a pad immersing in mm	<b>00</b>

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

# HQ 4114, HQ 4116 stroke applicators

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.

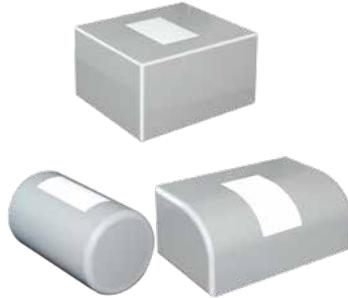
## Accessory

5.13 **Blow tube**

## Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**



4.2



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			from the side	from the top, from below, from the side			
State of a product at the moment a label is applied	at rest			■				
Product heights	uniform			blow-on pad only	blow-on pad only			
	variable			all tamp-on pads				
Short stroke cylinder, horizontal	mm			10				
Distance of a product to the bottom of the unit	mm max.	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 <sup>1)</sup>	labels/min approx.				30 (20 if using a form pad)			

<sup>1)</sup>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.

### 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, 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.



### Form pad

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

			Tamp-on pad	Blow-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop	Form pad
Transfer modules			4114, 4116 L/R 11 F	4114 L/R 2100	4114, 4116 L/R 12 F	4114, 4116 L/R 61 F	4114, 4116 L/R 8800
Label widths	ROXI 60	mm	4 - 56	10 - 56	10 - 56	10 - 56	10 - 56
	ROXI 120	mm	10 - 116	10 - 116	10 - 116	10 - 116	10 - 116
	ROXI 180	mm	50 - 176	-	50 - 176	50 - 176	50 - 176
Label heights	ROXI 60	mm	4 - 80	10 - 80	8 - 80	4 - 80	8 - 80
	ROXI 120	mm	8 - 80	10 - 80	8 - 80	8 - 80	8 - 80
	ROXI 180	mm	8 - 80	-	8 - 80	8 - 80	8 - 80
Depth F of a pad immersing	mm max.	130	-	130	130	-	

# HQ 4214 stroke turn applicators

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.



## Accessory

5.13 **Blow tube**

## Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**



Stroke turn applicators	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		blow-on pad only	
Label applications		from the top, from below, from the side	
Product heights uniform		blow-on pad only	
variable		all tamp-on pads	
Rotary angle, horizontal 90°, 0°		■	
180° if labels are no more than 15 mm high			
Distance of a product to the bottom of the unit mm max.	135	235	335
Weight of applicator packaging excluded kg	4	5.5	7.5
Consumption of power W max.		15	
Compressed air bar		4.5	
Cycle rate <sup>1)</sup> labels/min approx.		20	

<sup>1)</sup> 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	ROXI 60	mm	4 - 56	10 - 56	10 - 56	10 - 56
	ROXI 120	mm	10 - 80	10 - 80	10 - 80	10 - 80
Label heights	ROXI 60	mm	4 - 40	8 - 40	4 - 40	10 - 40
	ROXI 120	mm	8 - 40	8 - 40	8 - 40	10 - 40
Depth F of a pad immersing		mm max.	90	90	90	-

# HQ 4414 stroke applicators

Labels very small or mid-sized 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.



## Accessory

5.13 **Blow tube**

## Option

5.18 **Pressure-reduced applicator**

4.4



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 cylinder, horizontal	direction x mm	3 - 7		
	direction y mm	11 - 15		
Distance of a product to the bottom of the unit	mm max.	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 <sup>1)</sup>	labels/min approx.	25		

<sup>1)</sup> 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.

Transfer modules		Tamp-on pad	Tamp-on pad, providing a damping layer	Tamp-on pad, providing a label stop	
		4414 L/R 11 F	4414 L/R 12 F	4414 L/R 61 F	
Label widths	ROXI 60	mm	4 - 56	10 - 116	10 - 56
	ROXI 120	mm		10 - 116	
Label heights		mm	4 - 80	8 - 80	4 - 80
Depth F of a pad immersing		mm max.		120	

# HQ 4514 swing stroke applicators

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.



## Accessory

### 5.13 Blow tube



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	mm max.	150 <sup>2)</sup>	250 <sup>2)</sup>	350 <sup>2)</sup>
Weight of applicator	packaging excluded kg	6	6.5	7
Consumption of power	W max.		15	
Compressed air	bar		4.5	
Cycle rate <sup>1)</sup>	labels/min approx.		20	

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

<sup>2)</sup> depending from the height of a label



### Blow-on pad

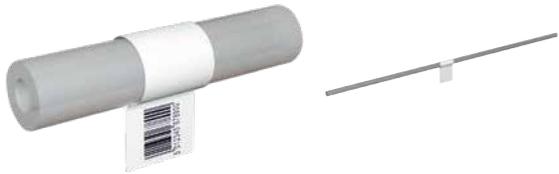
Labels are blown on a product surface by a blast of air, bridging a distance of 5 to 10 mm.

Transfer module			Blow-on pad 4514 L/R 2100
Label widths	ROXI 60	mm	10-56
	ROXI 120	mm	10-80
Label heights		mm	10-60

# HQ 4712 flag applicator

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.

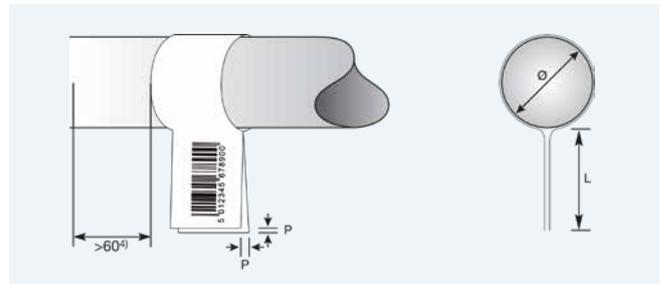
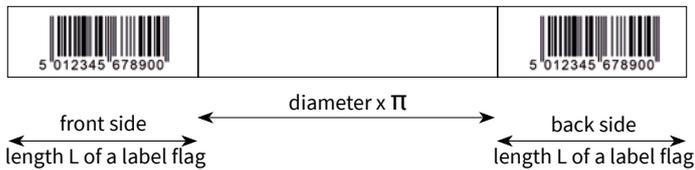


## Accessory

### 5.13 Blow tube

Flag applicator		HQ 4712 L-300
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 cases of other rotations)
Product heights	uniform	■
Distance of a product to the bottom of the unit using a cylinder stroke of 300	mm at least	70
	mm max.	260
Depth of pliers immersing	mm	55
Offset P	mm max.	1.0 <sup>1)</sup>
Weight of applicator	packaging excluded kg	8
Consumption of power	W max.	15
Compressed air	bar	4.5
Cycle rate, printing and applying only <sup>2)</sup>	labels/min approx.	15

<sup>1)</sup> depending from the quality of a label  
<sup>2)</sup> calculated using a print speed of 100 mm/s



Transfer module		Form pad
		4712 L 300
Label widths	ROXI 120 mm	50 <sup>3)</sup> - 100
Label heights	mm	10 - 50
Diameters	mm	3 - 16

<sup>3)</sup> Processing labels 50 to 58 mm wide requires a spacer.  
<sup>4)</sup> Flag on product requires >60 mm clearance on one side without components, bend or step

# HQ 4024 stroke applicators

- 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 packages of different heights.

A spring-mounted tamp pad enables labels be applied reliably even onto inclined surfaces. Three types are provided for labels as high as 40 mm to 100 mm, 150 mm and 200 mm. Labels may be 50 mm to 105 mm wide in each case.

Labels are sucked by an electrically driven fan. Only the stroke cylinder requires compressed air.



## Option

### 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	mm max. 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 tamp-on pad		
	Sensor 3	label application / lower end position		
Consumption of power	W max.	30		
Compressed air	bar	4,5		
Cycle rate <sup>1)</sup>	labels/min approx.	30		

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

## Tamp-on pad, spring-mounted

Labels are precisely tamped onto plane surfaces.



Tamp-on pad, spring-mounted	4024-3000 105 x 100	4024-3000 105 x 150	4024-3000 105 x 200
Label widths ROXI 120	mm 50 - 105	50 - 105	50 - 105
Label heights	mm 40 - 100	80 - 150	120 - 200
Label thickness	µm 110	110	110

# HQ 4014, HQ 4016 stroke applicators

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.



## Accessory

5.13 **Blow tube**

## Options

5.17 **Pressure-reducing valve**

5.18 **Pressure-reduced applicator**

4.8



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	in Ruhe	■							
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 a unit	mm max.	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 <sup>1)</sup>	labels/min approx.	25							

<sup>1)</sup> 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 within 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	ROXI 120	mm	20 - 116	75 / 90	80 - 116	116 / 116
	ROXI 180	mm	50 - 176	-	80 - 176	-
Label heights	ROXI 120	mm	20 - 210	60 / 90	80 - 210	102 / 152
	ROXI 180	mm	25 - 210	-	80 - 210	-
Depth F of a pad immersing		mm max.	140	-	-	-

# HQ 4014, HQ 4016 stroke applicators

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.

## Accessory

### 5.13 Blow tube

## Options

### 5.17 Pressure-reducing valve

### 5.18 Pressure-reduced applicator

4.8



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	mm max.	140	240	340	540	-	-	-	-
	Roll-on pad	mm max.	160	260	360	560	160	260	360	560
	Corner-wrap pad	mm max.	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 <sup>1)</sup>	labels/min approx.	25								

<sup>1)</sup> calculated using a stroke of 100 mm below the unit, labels 100 mm high, a print speed of 100 mm/s



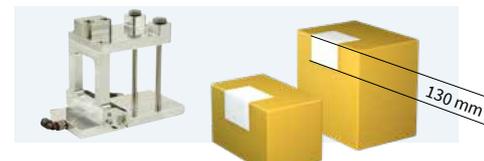
### Blow-on pad

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

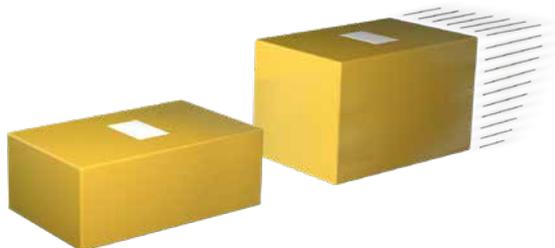
Labels are applied to a package on two sides adjacent to one another. One half of a label is applied to the top of a package. Then the other half of the label is rolled on.

Transfer modules			Blow-on pad 4014 L/R 2100	Roll-on pad 4014, 4016 L/R 4100	Corner-wrap pad 4014 L/R 5100
Label widths	ROXI 120	mm	20 - 114	25 - 114	20 - 114
	ROXI 180	mm	provided upon request	50 - 174	-
Label heights	ROXI 120	mm	20 - 100	80 - 250	60 - 210
	ROXI 180	mm	provided upon request	80 - 250	-

# HQ 4614 stroke blow applicators (HQ 4616 upon request)

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.



## Accessory

### 5.13 Blow tube

4.10



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 mm max.	140	240	340
Package heights variable		■	
Etikettierung auf die Verpackung	from the top, from below, from the side		
State of a package at rest	■	■	■
at the moment a label is applied 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 <sup>1)</sup> labels/min max.		25	

<sup>1)</sup> 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.

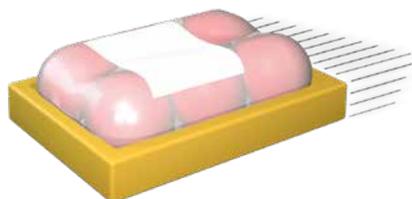


Blow-on pad	4614L/R-2100 B x H		
Label widths ROXI 120 mm			20 - 116
ROXI 180 mm			provided upon request
Label heights ROXI 120 mm			20 - 100
ROXI 180 mm			provided upon request

# HQ 6114 air jet box

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.

A particular regulation unit is required for compressed air.



## Accessories

### 5.13 Blow tube

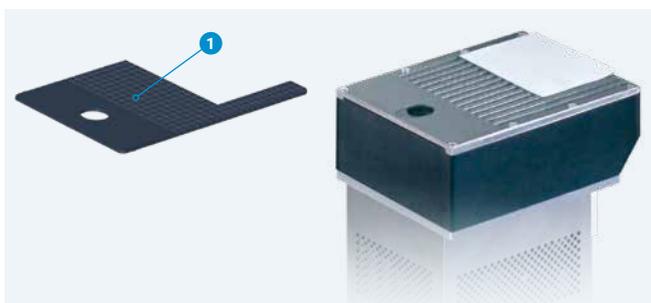
### 5.16 Unit to regulate compressed air, providing a shut-off valve

4.15



Air jet box			HQ 6114 L/R
Label widths	ROXI 120	mm	50 -114 smaller sizes can be provided upon request
Label heights		mm	50 -125 smaller sizes can be provided upon request
State of a package at the moment a label is applied		at rest	■
		in motion	■
Label applications			from the top, from below, from the side
Package heights		variable	■
Distance of a package to the peel-off plate		mm max.	200
Weight of air jet box		packaging excluded kg	4
Consumption of power		W max.	90
Compressed air		bar	4.5
Cycle rate <sup>1)</sup>		labels/min max.	100

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



### 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 p 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.

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

# Delivery program

# ROXI

## Labeling heads

If order implies protocols and encoders been unlocked and / or options been assembled ex factory, item numbers are added by .250.

### ROXI as fast as 30 m/min

### Labels provided to the left

Pos.	Item no.	Designation
1.1	<b>6130760.xxx</b>	ROXI 60 L labeling head
1.2	<b>6130120.xxx</b>	ROXI 120 L labeling head
1.3	<b>6130180.xxx</b>	ROXI 180 L labeling head

### Labels provided to the right

Pos.	Item no.	Designation
1.1	<b>6130765.xxx</b>	ROXI 60 R labeling head
1.2	<b>6130125.xxx</b>	ROXI 120 R labeling head
1.3	<b>6130185.xxx</b>	ROXI 180 R labeling head

ROXI labeling head type code index		60 L
Maximum width of a roll	60 mm	L to the left Labels provided R to the right
	120 mm	
	180 mm	

## Protocols and encoders

If order implies unlocking ex factory, item numbers are added by .250.  
In cases of separate unlocking, .001 is added.

Pos.	Item no.	Designation
4.1	<b>5581022.xxx</b>	FQ MQTT
		FM ModBus
		FP Profinet (in preparation)
		FO OPC UA Server

Scope of delivery
ROXI labeling head Knowledge Base

Labeling heads and demand units are delivered unassembled in one package.

Provided online
 <ul style="list-style-type: none"> <li>Assembly instructions DE / EN / FR</li> <li>Configuration manuals DE / EN / FR</li> <li>Service manuals DE / EN</li> <li>Spare parts lists DE / EN</li> <li>Programming manual EN</li> </ul>
<a href="https://setup.cab.de/en">https://setup.cab.de/en</a>



See current data also on the Internet:  
[www.cab.de/en/roxi](http://www.cab.de/en/roxi)

# Delivery program

# ROXI

If order implies demand units and its components been assembled ex factory, item numbers are added by .250. In cases of separate delivery, .001 is added.

## Demand units

Labels provided to the left

Pos.		Item no.	Designation
6.1		<b>6130656.xxx</b>	SP 100/60L demand module
		<b>6130657.xxx</b>	SP 100/120L demand module
		<b>6130658.xxx</b>	SP 100/180L demand module

Pos.		Item no.	Designation
6.11		<b>6120069.xxx</b>	MS 25 mounting rod
6.13		<b>5983588.xxx</b>	CEON label sensor
6.22		<b>5983437.001</b>	CEON probe - wear part
6.14		<b>6130600.xxx</b>	CEON 30 retainer bar, stop included
		<b>6130601.xxx</b>	CEON 60 retainer bar, stop included
		<b>6130602.xxx</b>	CEON 90 retainer bar, stop included
6.15		<b>6130582.xxx</b>	CEON stop

## Options

Pos.		Item no.	Designation
5.1		<b>6130681.001</b>	ATP L carrier plate
		<b>xxxxxxx.001</b>	ATP R carrier plate
5.2		<b>5908002.xxx</b>	UR D60/62 deflection roller
		<b>5907996.xxx</b>	UR D60/124 deflection roller
		<b>5907995.xxx</b>	UR D60/186 deflection roller
5.3		<b>6130629.xxx</b>	FR D60 guide

## Accessories

Pos.		Item no.	Designation
7.1		<b>5918702.001</b>	Product sensor
7.2		<b>5918671.001</b>	Product sensor cable M12-M8, 4 pins, a-coded, 2.5 m
7.6		<b>6010186</b>	External operation panel
		<b>5907718.001</b>	Connecting USB cable 1.8 m
		<b>5907730.001</b>	Connecting USB cable 3 m
7.7		<b>5907750.001</b>	Connecting USB cable 5 m
7.8		<b>6010560</b>	Warning light Connecting USB cable 1 m included

Labels provided to the right

Pos.		Item no.	Designation
6.1		<b>6130659.xxx</b>	SP 100/60R demand module
		<b>6130660.xxx</b>	SP 100/120R demand module
		<b>6130661.xxx</b>	SP 100/180R demand module

Pos.		Item no.	Designation
6.16		<b>6130452.xxx</b>	GAB 500-1 forked light barrier
6.17		<b>5918670.xxx</b>	GAB 500-2 forked light barrier
6.18		<b>6130690.xxx</b>	500-2/124 retainer
		<b>6130704.xxx</b>	500-2/186 retainer

## Cables

Pos.		Item no.	Designation
7.14		<b>5918948.001</b>	I/O interface cable, wire-end-ferruled M12, 17 pins, 5 m
7.15		<b>5918421.001</b>	Extending I/O cable M12, 17 pins, 2.5 m
		<b>5918941.001</b>	Extending I/O cable M12, 17 pins, 10 m

## Assembly assistance

Pos.		Item no.	Designation
8.1		<b>6130411.001</b>	Tie rod
8.2		<b>6130737.001</b>	GHF 120 unit retainer
		<b>6130754.001</b>	GHF 180 unit retainer
8.3		<b>6130741.001</b>	GHV 120/100 unit retainer
		<b>6130756.001</b>	GHV 180/100 unit retainer
8.4		<b>6130744.001</b>	GHV 120/200 unit retainer
		<b>6130758.001</b>	GHV 180/200 unit retainer
8.5		<b>6130747.001</b>	GHS 120/150 unit retainer
		<b>6130762.001</b>	GHS 180/150 unit retainer
8.6		<b>5983420.xxx</b>	SST 400 column stand
		<b>5983421.xxx</b>	SST 600 column stand
		<b>5983422.xxx</b>	SST 800 column stand
8.7		<b>6130501.xxx</b>	Base plate, xy stop, product sensor - labels provided to the left
		<b>upon request</b>	Base plate, xy stop, product sensor - labels provided to the right
8.9		<b>5919809.xxx</b>	EPOS electronic position indicator
8.10		<b>6131010.xxx</b>	Adapter kit for GHS unit retainers
8.11		<b>6131015.xxx</b>	Adapter kit for SST column stands

# Delivery program

## Applicators L

Pos.	Item no.	Designation	Item no.	Transfer modules	
4.2	 <b>5987549</b> <b>5987550</b> <b>5987551</b> <b>5989352</b>	Stroke applicator	HQ 4114L-200	xxxxxxx Tamp-on pad	4114L-11 F W x H
		Stroke applicator	HQ 4114L-300	xxxxxxx Tamp-on pad, providing a damping layer	4114L-12 F W x H
		Stroke applicator	HQ 4114L-400	xxxxxxx Tamp-on pad, providing a label stop	4114L-61 F W x H
		Stroke applicator	HQ 4114L-600	xxxxxxx Blow-on pad	4114L-2100 W x H
	 <b>5987802</b> <b>5987803</b> <b>5987804</b>	Stroke applicator	HQ 4116L-200	xxxxxxx Form pad	4116L-11 F W x H
		Stroke applicator	HQ 4116L-300	xxxxxxx Tamp-on pad, providing a damping layer	4116L-12 F W x H
4.3	 <b>5987557</b> <b>5987558</b> <b>5987559</b>	Stroke turn applicator	HQ 4214L-200	xxxxxxx Tamp-on pad, providing a damping layer	4214L-11 F W x H
		Stroke turn applicator	HQ 4214L-300	xxxxxxx Tamp-on pad, providing a label stop	4214L-61 F W x H
		Stroke turn applicator	HQ 4214L-400	xxxxxxx Blow-on pad	4214L-2100 W x H
4.4	 <b>5987573</b> <b>5987574</b> <b>5987575</b>	Stroke applicator	HQ 4414L-200	xxxxxxx Tamp-on pad	4414L-11 F W x H
		Stroke applicator	HQ 4414L-300	xxxxxxx Tamp-on pad, providing a damping layer	4414L-12 F W x H
		Stroke applicator	HQ 4414L-400	xxxxxxx Tamp-on pad, providing a label stop	4414L-61 F W x H
4.5	 <b>5987724</b> <b>5987726</b> <b>5987728</b>	Swing stroke applicator	HQ 4514L-200	xxxxxxx Blow-on pad	4514L-2100 W x H
		Swing stroke applicator	HQ 4514L-300		
		Swing stroke applicator	HQ 4514L-400		
4.6	 <b>5987548</b>	Flag applicator	HQ 4712L-300	xxxxxxx Form pad	..... W x H
4.8	 <b>5987534</b> <b>5987535</b> <b>5987536</b> <b>5987537</b>	Stroke applicator	HQ 4014L-200	<b>5966147</b> Universal pad	4014L-1100 75 x 60
		Stroke applicator	HQ 4014L-300	<b>5966148</b> Universal pad	4014L-1100 90 x 90
		Stroke applicator	HQ 4014L-400	<b>5966149</b> Universal pad, spring-mounted	4014L-3100 116 x 102
		Stroke applicator	HQ 4014L-600	<b>5966150</b> Universal pad, spring-mounted	4014L-3100 116 x 152
	 <b>5987541</b> <b>5987542</b> <b>5987543</b> <b>5989344</b>	Stroke applicator	HQ 4016L-200	xxxxxxx Tamp-on pad	4014L-11 F W x H
		Stroke applicator	HQ 4016L-300	xxxxxxx Blow-on pad	4014L-2100 W x H
		Stroke applicator	HQ 4016L-400	xxxxxxx Tamp-on pad, spring-mounted	4014L-3100 W x H
		Stroke applicator	HQ 4016L-600	xxxxxxx Roll-on pad	4014L-4100 W x H
		Stroke applicator	HQ 4016L-200	xxxxxxx Corner-wrap pad	4014L-5100 W x H / H
		Stroke applicator	HQ 4016L-300	xxxxxxx Tamp-on pad	4016L-11 F W x H
4.9	 <b>5989285</b> <b>5989286</b> <b>5989287</b> <b>5989288</b>	Stroke applicator	HQ 4024L-200	<b>5989301</b> <b>5989302</b> <b>5989303</b>	4024-3000 105 x 100
		Stroke applicator	HQ 4024L-300		4024-3000 105 x 150
		Stroke applicator	HQ 4024L-400		4024-3000 105 x 200
		Stroke applicator	HQ 4024L-600		
4.10	 <b>5987736</b> <b>5987738</b> <b>5987740</b>	Stroke blow applicator	HQ 4614L-200	xxxxxxx Blow-on pad	4614L-2100 W x H
		Stroke blow applicator	HQ 4614L-300		
		Stroke blow applicator	HQ 4614L-400		
4.15	 <b>5987564</b>	Air jet box 5 templates are included	HQ 6114L	<b>5984709.001</b> Template	6114 L/R 5 items are included in a pack unit

xxxxxxx - customer-specific part no. subsequent to request

## Accessories provided for applicators

Pos.	Item no.	Designation
5.13	 <b>5964277.001</b> <b>5964095.001</b> <b>5964614.001</b>	Blow tube 2"
		Blow tube 4"
		Blow tube 6"
5.16	 <b>5984805</b> <b>5984795</b>	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.	Item no.	Designation
5.17	 <b>596xxxx.212</b>	Pressure-reducing valve
		xxxx - applicator part no.
5.18	 <b>596xxxx.220</b>	Pressure-reduced applicator suitable for HQ 4014, HQ 4114, HQ 4414, HQ 4214 / stroke 300
		xxxx - applicator part no.

# Delivery program

## Applicators R

Pos.	Item no.	Designation	Item no.	Transfer modules			
4.2		5987553	Stroke applicator HQ 4114R-200	xxxxxxx	Tamp-on pad 4114R-11 F W x H		
		5987554	Stroke applicator HQ 4114R-300	xxxxxxx	Tamp-on pad, providing a damping layer 4114R-12 F W x H		
		5987555	Stroke applicator HQ 4114R-400	xxxxxxx	Tamp-on pad, providing a label stop 4114R-61 F W x H		
		5989353	Stroke applicator HQ 4114R-600	xxxxxxx	Blow-on pad 4114R-2100 W x H		
	4.3		5987812	Stroke applicator HQ 4116R-200	xxxxxxx	Form pad 4114R-8800 W x H	
			5987813	Stroke applicator HQ 4116R-300	xxxxxxx	Tamp-on pad 4116R-11 F W x H	
			5987814	Stroke applicator HQ 4116R-400	xxxxxxx	Tamp-on pad, providing a damping layer 4116R-12 F W x H	
				Stroke applicator HQ 4116R-400	xxxxxxx	Tamp-on pad, providing a label stop 4116R-61 F W x H	
4.4		5987561	Stroke turn applicator HQ 4214R-200	xxxxxxx	Form pad 4116R-8800 W x H		
		5987562	Stroke turn applicator HQ 4214R-300	xxxxxxx	Tamp-on pad 4214R-11 F W x H		
		5987563	Stroke turn applicator HQ 4214R-400	xxxxxxx	Tamp-on pad, providing a damping layer 4214R-12 F W x H		
4.5		5987577	Stroke applicator HQ 4414R-200	xxxxxxx	Tamp-on pad, providing a label stop 4214R-61 F W x H		
		5987578	Stroke applicator HQ 4414R-300	xxxxxxx	Blow-on pad 4214R-2100 W x H		
		5987579	Stroke applicator HQ 4414R-400	xxxxxxx			
4.8		5987730	Swing stroke applicator HQ 4514R-200	xxxxxxx	Blow-on pad 4514R-2100 W x H		
		5987732	Swing stroke applicator HQ 4514R-300				
		5987734	Swing stroke applicator HQ 4514R-400				
		4.9		5987538	Stroke applicator HQ 4014R-200	5966140	Universal pad 4014R-1100 75 x 60
				5987539	Stroke applicator HQ 4014R-300	5966141	Universal pad 4014R-1100 90 x 90
				5987540	Stroke applicator HQ 4014R-400	5966142	Universal pad, spring-mounted 4014R-3100 116 x 102
				5989363	Stroke applicator HQ 4014R-600	5966143	Universal pad, spring-mounted 4014R-3100 116 x 152
				5987545	Stroke applicator HQ 4016R-200	xxxxxxx	Tamp-on pad 4014R-11 F W x H
					Stroke applicator HQ 4016R-300	xxxxxxx	Blow-on pad 4014R-2100 W x H
		4.10		5987547	Stroke applicator HQ 4016R-400	xxxxxxx	Tamp-on pad, spring-mounted 4014R-3100 W x H
				5989356	Stroke applicator HQ 4016R-600	xxxxxxx	Roll-on pad 4014R-4100 W x H
				5987546	Stroke applicator HQ 4016R-300	xxxxxxx	Corner-wrap pad 4014R-5100 W x H / H
5987547	Stroke applicator HQ 4016R-400			xxxxxxx	Tamp-on pad 4016R-11 F W x H		
4.11		5987547	Stroke applicator HQ 4016R-400	xxxxxxx	Tamp-on pad, spring-mounted 4016R-3100 W x H		
		5989356	Stroke applicator HQ 4016R-600	xxxxxxx	Roll-on pad 4016R-4100 W x H		
		5987547	Stroke applicator HQ 4016R-400	xxxxxxx			
		5989356	Stroke applicator HQ 4016R-600	xxxxxxx			
4.12		5989295	Stroke applicator HQ 4024R-200	5989301	Tamp-on pad, spring-mounted 4024-3000 105 x 100		
		5989296	Stroke applicator HQ 4024R-300	5989302	Tamp-on pad, spring-mounted 4024-3000 105 x 150		
		5989297	Stroke applicator HQ 4024R-400	5989303	Tamp-on pad, spring-mounted 4024-3000 105 x 200		
		5989298	Stroke applicator HQ 4024R-600				
4.13		5987742	Stroke blow applicator HQ 4614R-200	xxxxxxx	Blow-on pad 4614R-2100 W x H		
		5987744	Stroke blow applicator HQ 4614R-300				
		5987746	Stroke blow applicator HQ 4614R-400				
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

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