Status: 09/2024

Available as of mid-March 2025



Label dispensers

for industrial use

ROXI

Made in Germany

Expert units at best price

ROXI label dispensers

The future-proof investment for precise insert labeling.

Perfect in every detail, the new label dispenser ROXI.

Solid construction, advanced in electronics, software and usability.

Small in price, great in performance





Compact and slim design
easy to install in production lines

Any assembly
vertical, horizontal, inclined – in left-hand and right-hand designs

High quality and reliability
by assembling proven functional modules at the production site in Germany

Durable and easy to maintain
designed for permanent industrial use, firmware updates via Ethernet or USB interface

Cost-efficient solution
The complete range of features with all interfaces and software functions are included and provided as a standard.

Dynamic speed control
A master encoder enables label webs been fed automatically and in accordance with the speed of items running on a conveyor.

Safety guaranteed
CE, CB, ULus certified by an authorized testing lab

Quick setups
by simple material changeover

Comfortable operation
Navigate intuitively in eleven languages, access major features instantly, set parameters in detail using a comprehensive menu.

Future-proof data interfaces
for data communication, MQTT, Modbus and OPC UA to enable cross-platform interaction, protocols are kept simple and lean, machine and system data can be updated in real time, two USB interfaces enable WLAN, plugging a warning light or an external control panel.

Remote control
Via VNC with a higher-level machine controller, a PC or the external control panel

Web interface
for example backup data and access of all documentation related to a unit

Useful accessories
Assembly columns, stands, connecting cables, etc.
help label dispensers been installed ready for use.

Control panel

Intuitive and easy operation.

Rotatable in steps of 180°, depending on the orientation in which a dispenser has been installed.

A self-explanatory menu for device configuration



Status bar
Speed, label winding, label size, WLAN signal, status of start / stop signal

Operational notes and warnings
along with status and menu parameters
Counter and diagnostics
configurable specified to an application

Quick menu
for extra-fast parameter setting

ON/OFF
Switch label dispenser on or off

Pre-dispense key
for dispensing labels manually

Label web speed



Start delay



Stop delay



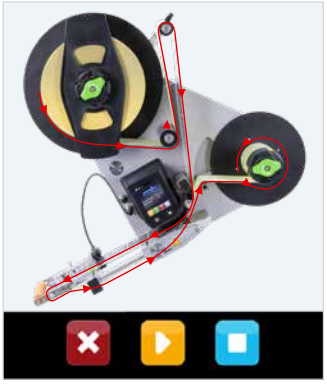
Menu



I/O status



Operating instructions
View feed path schemes on display. For further explanatory videos, scan QR code with a mobile device.



Menu

Dispensing speed
in synchronization with the speed of products on a conveyor

SPEED

Define system settings
such as display, language, label webs ending, interfaces

SYSTEM

Position of a label on an item
Including multiple labeling; start condition

START

User configuration
to any number of formats, PC backup and restore

FORMAT

Stop labels at the dispensing plate
Missing labels are detected; stop condition

STOP

Batch counter
Automatic stop after specified number of products

CHARGE

Define print settings
for controlling a printer and a label transfer unit

PRINT

Service tools
Maintenance assistant, video tutorials, display and setting of inputs and outputs for service purposes

SERVICE

Technical data and interfaces

■ Standard ☐ Additional options

Label dispensers		Type	ROXI 120	ROXI 180
Web speed		up to m/min	30	20
Orientation of assembly			vertical / horizontal	
Direction to which dispense labels			L = to the left, R = to the right	
Labels	Material on roll		Paper, plastics PET, PE, PP, PVC	
	Width	mm	10 - 116	10 - 176
	Length	mm	10 - 6,000	
	Distance	from mm	2	
	Thickness	mm	0.055 - 1.0	
Liner tape	Width	up to mm	120	180
Weight of media roll		up to kg	12	
Unwinder	Outside-Ø	mm	300	
	Core-Ø	mm	76	
	Winding		outside or inside	
Rewinder	Outside-Ø	mm	200	
	Core-Ø	mm	76	
Label dispenser without demand module	Width	mm	480	
	Height	mm	530	
	Depth	mm	266	328
	Weight	kg	12	13.5
Label sensor		detecting	label margin and materials ending	
Distance to the locating edge		inductive mm	☐ 20 - 60	
		Transmitted light mm	☐ 8	
Operating data		Voltage	100 - 240 V~, 50 - 60 Hz	
Temperature / Humidity		Operation	0 - 40 °C / 10 - 85 %, not condensing	
		Stock	0 - 60 °C / 20 - 80 %, not condensing	
		Transport	–25 - 60 °C / 20 - 80 %, not condensing	
Approvals			CE, FCC Class A, ICES-3	
		in preparation	cULus, CB	
Protection class			IP 40	
Operation panel		LED buttons	ON, FEED	
LCD graphics display		Width x Height mm	54 x 70	
Monitoring			Pre-warning to end of label web, end of label web, label web broken Torque, temperature, power supplies	

[1] Limitations can occur when processing small labels, thin materials or materials using a strong adhesive. Critical applications need testing.





1 Mains switch
Cold appliance socket

2 2x USB hosts
for warning light, external operation panel, USB stick and USB WLAN stick

3 Ethernet
TCP/IP data transmission

4 START
Start signal, for example with product sensor

5 SYNC
Synchronization of the labels to the product speed with the encoder

6 I/O interface
conform to IEC/EN 61131-2, Type 1+3;
all inputs and outputs are protect from reverse polarity. The outputs are also short-circuit-proof.

Digital inputs
Label dispenser ON
Pre-dispense
Start labeling
Start labeling locked
Error reset
User-defined

Analog inputs
Speed
Start delay
Stop delay

Digital outputs PNP
Unit ready
Pre-dispense
Stop label feed
Label feed running
Label missing on liner tape
End of label web
Pre-warning to end of label web
Error
User-defined

7 PRINT & APPLY
Peripheral interface for printer and transfer unit, e.g. solenoid valve

8 STOP
for label sensor inductive or optional transmitted light

Additional options for label dispensers

4.1, 4.2



Peel-off plate standard
provided in lengths of 100 mm

pictured with a label sensor CEON

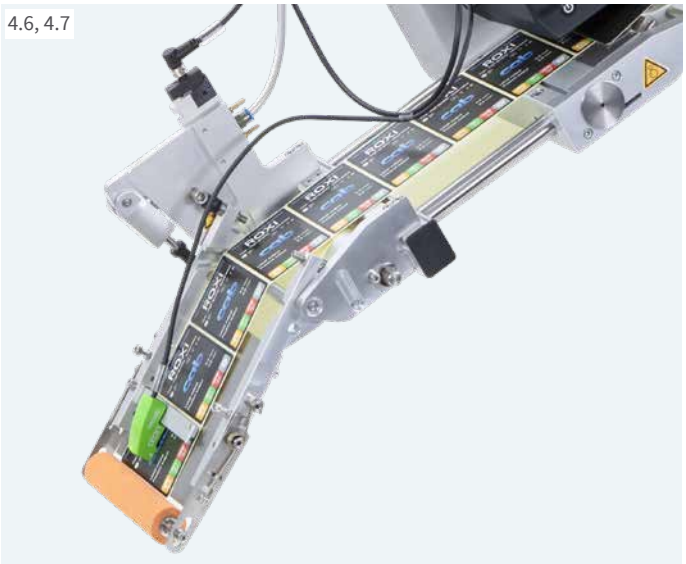
4.4, 4.5



Peel-off plate 0° to 90°
The dispensing plate is angled at 75° for vertical assembly.

pictured with a label sensor CEON

4.6, 4.7



Peel-off plate 0° to -30°
Swinging downwards pneumatically by up to -30°. Uneven products can be labeled and labels be dispensed into pockets.

pictured with a label sensor CEON

5



Assembly rod
to assemble the peel-off plates on the label dispenser

Distance peel-off plate to label dispenser standard 100 mm, optional 25, 200, 300 or 400 mm, intermediate lengths on request

6.1



CEON label sensor
to detect and exactly position all conventional (even particularly thin, transparent or metallized) label materials.
Retainer bar to assemble the label sensor CEON on the peel-off plates
Sensor distance to the locating edge from 9 to 80 mm
Length of connection cable 450 mm

- easy to assemble
- precise detection
- high repeat accuracy
- comfortable AutoTeach sensor balance

6.2



Forked light barrier
to detect translucent labels with transparent or semi-transparent liner tapes; optical operation principle (transmitted light)
Retainer to assemble the forked light barrier on the assembly rods

Sensor distance to the locating edge 8 mm

Height of material passage 2 mm

Accessories

8.1


8.2


Product sensor
to trigger the labeling process as soon as the product has been detected. The maximum scanning range standard is 200 mm,
with connecting cable
M12-M8, 4 pin, a-coded, length 2.5 m

9.1


Rotary encoder
incremental, resolution 0.1 mm
with connecting cable
M12, 5 pin, a-coded, lengths 2.5 m
A and B tracked
to automatically synchronize the labeling speed, with MS software key

9.2


Friction wheel, circumference 200 mm

9.3


The retainer is used to press the friction wheel onto the conveyor belt in a spring-mounted manner.
To assemble on a conveyor belt, a mounting bracket is required.

11.1


I/O interface cable wire-end-ferruled
M12, 17 pin, lengths 5 m

15


Warning light
to connect to the label dispenser
Red Group error,
e. g. end of label web, label web broken
Yellow Pre-warning to end of label web
Green Device ready

With connecting cable USB; length 1 m

16.1


External control panel
providing the same functionality as on the label dispenser

Users are free to choose whether to operate the label dispenser on the external panel or on the one integrated in the device.

1 **USB slot**,
in order to transfer configuration data or the firmware

2 **LED:** Power ON

16.2


Connecting USB cable
Lengths are 1.8, 3 and 5 m,
Lengths 11 and 16 m on request

Tools for assembly



They enable assembling a label dispenser customer-specifically into production lines or integrating it in labeling machines. At this, a construction kit is provided, including device retainers, column stands and floor stands.

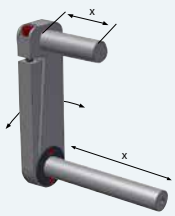
Tools for assembly

Device retainers
The label dispenser is mounted on two columns and can therefore be installed either vertically or horizontally.

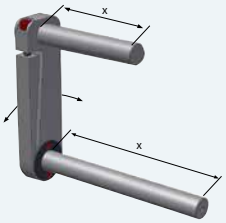
The dispensing angle can be adjusted using a tie rod. The dispensing position on the columns can also be moved.

The upper column is mounted to the tie rod. The lower one together with the bearing bush is mounted on a plate, a profile or on the column stand. The tie rod is swivel-mounted and is fixed with a clamping screw. Alternatively, the two columns can be mounted directly on a plate or profile. The dispensing angle (inclination) is not adjustable.

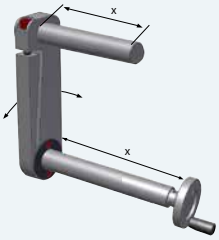
21.1



21.2



21.3



Technical data		Device retainer fixed	Device retainer moveable	Device retainer precisely adjustable
Orientation of assembly	vertical	■	■	■
	horizontal	■	-	■
axial	moveable	-	■	-
	precisely adjustable	-	-	■
Adjustable range		-	200 mm	135 mm

Column stand 600 mm
to assemble the label dispenser to a base plate or a conveyor belt. Position is set with the help of a hand crank.

22.1



Technical data		Column stand 600 mm
Column length	mm	600
Adjustable track	mm	395
Column diameter	mm	30

1632 floor stand
primarily for labeling from the top on a product. It is moveable. On site, locking and setting is possible with the help of leveling feet. Preferred use is with applications in various production lines

22.2



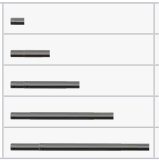
Technical data		1632 floor stand
Leveling feet, adjustability	mm	± 15
Load	up to kg	50
Load at protrusion 300 mm	up to kg	25
Distance from lower label margin to the floor	mm	880 - 1,200
Column stand	mm	800
Adjustable track	mm	595
Weight	approx. kg	40

Delivery program

Label dispensers L/R

Pos.		Part no.	Designation	
1.1		**6130120**	ROXI label dispenser	120 L
1.2		**6130180**	ROXI label dispenser	180 L
1.3		**6130125**	ROXI label dispenser	120 R
1.4		**6130185**	ROXI label dispenser	180 R
		xxxxxxx.250	**if label dispenser provides additional options**	

Additional options for label dispensers

Pos.		Part no.	Designation
4.1		**6130296.xxx**	Peel-off plate 120 L
		6130297.xxx	Peel-off plate 180 L
4.2		**6130306.xxx**	Peel-off plate 120 R
		6130307.xxx	Peel-off plate 180 R
4.3		**6130298.xxx**	Peel-off plate 120 L firmly angled 75°
		6130299.xxx	Peel-off plate 180 L firmly angled 75°
4.4		**6130308.xxx**	Peel-off plate 120 R firmly angled 75°
		6130309	Peel-off plate 180 R firmly angled 75°
4.5		**6130304.xxx**	Peel-off plate 120 L pivotable by -30°
		6130305.xxx	Peel-off plate 180 L pivotable by -30°
4.6		**6130310.xxx**	Peel-off plate 120 R pivotable by -30°
		6130311.xxx	Peel-off plate 180 R pivotable by -30°
5		**6120069.xxx**	Mounting rod 25 mm
		5972418.xxx	Mounting rod 100 mm
		5972419.xxx	Mounting rod 200 mm
		5972420.xxx	Mounting rod 300 mm
		6120067.xxx	Mounting rod 400 mm
6.1		**6130291.xxx**	CEON label sensor, retainer bar included
6.2		**6130292.xxx**	Forked light barrier, retainer included
		xxxxxxx.250	**if label dispenser provides additional options**

Accessories

Pos.		Part no.	Designation
8.1		**6130294**	Product sensor 200 mm maximum distance, connecting cable 2.5 m included
8.2			
9.1		**6130293**	Rotary encoder, connecting cable 2.5 m, friction wheel and retainer included
9.2			
9.3			
11.1		**5918948**	I/O interface cable, wire-end-ferruled M12, 17 pins, 5 m
15		**6010560**	Warning light, connecting USB cable 1 m included
16.1		**6010186**	External control panel
16.2		**5907718.850**	Connecting USB cable, 1.8 m
		5907730.850	Connecting USB cable, 3 m
		5907750.850	Connecting USB cable, 5 m
17.1		**5955735**	Unit L for compressed air regulation
17.2		**5955736**	Unit R for compressed air regulation

Tools for assembly

Pos.		Pos.	Designation
21.1		**5983405**	Unit retainer 120 fixed
		5983406	Unit retainer 180 fixed
21.2		**5983409**	Unit retainer 120 moveable
		5983410	Unit retainer 180 moveable
21.3		**5983413**	Unit retainer 120 precisely adjustable
		5983414	Unit retainer 180 precisely adjustable
21.4		**5971614**	Tie rod
22.1		**5983421**	Column stand 600 mm
22.2		**5983425**	1632 floor stand, column stand included

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



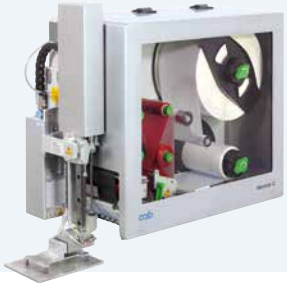
Label printers
XC Q two-colored



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



For product information see www.cab.de/en

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