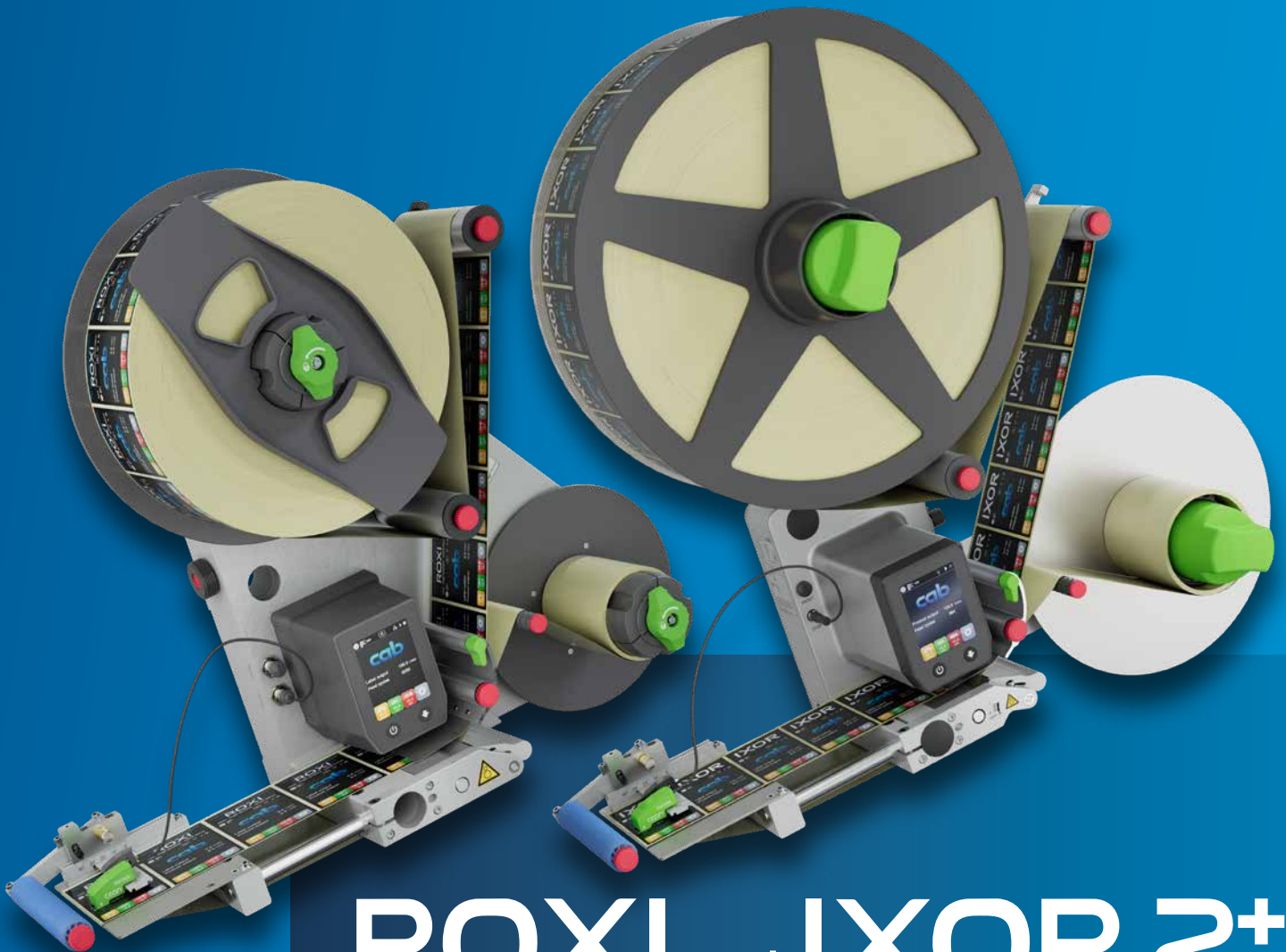




ROXI and IXOR 2⁺

Labeling heads made
for precise insert labeling

Made in Germany

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Type overview

ROXI IXOR 2+

1.1 - 1.3



ROXI 30

with label webs running as fast as 30 m/min

Roll diameter	max. 310 mm
Roll width	max. 180 mm

2.1 - 2.4



IXOR 2+ 50

with label webs running as fast as 50 m/min
using a mechanical unwinder and a mechanical rewinder

Roll diameter	max. 410 mm / 510 mm upon request
Roll width	15 mm - 248 mm

2.5 - 2.8



IXOR 2+ 75

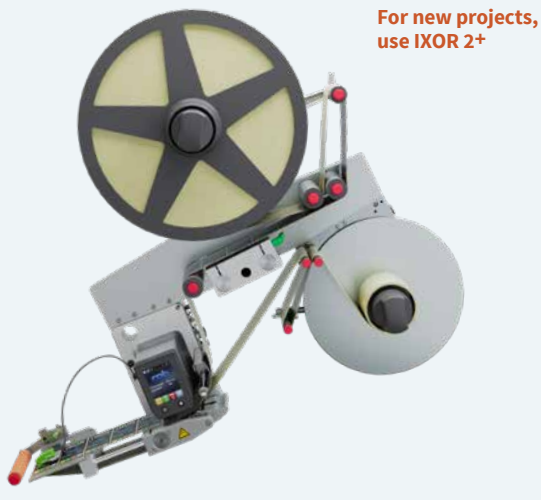
with label webs running as fast as 75 m/min
using a mechanical unwinder and a motoric rewinder

Roll diameter	max. 410 mm / 510 mm upon request
Roll width	15 mm - 248 mm

IXOR 2+ 120

with label webs running as fast as 120 m/min
using a motoric unwinder and a motoric rewinder

Roll diameter	max. 410 mm / 510 mm upon request
Roll width	15 mm - 248 mm / max. 310 mm upon request



IXOR+

with label webs running as fast as 50 / 75 / 120 m/min

See the base unit with unwinders and rewinders, the mounting strip and accessories specified in a separate catalog.

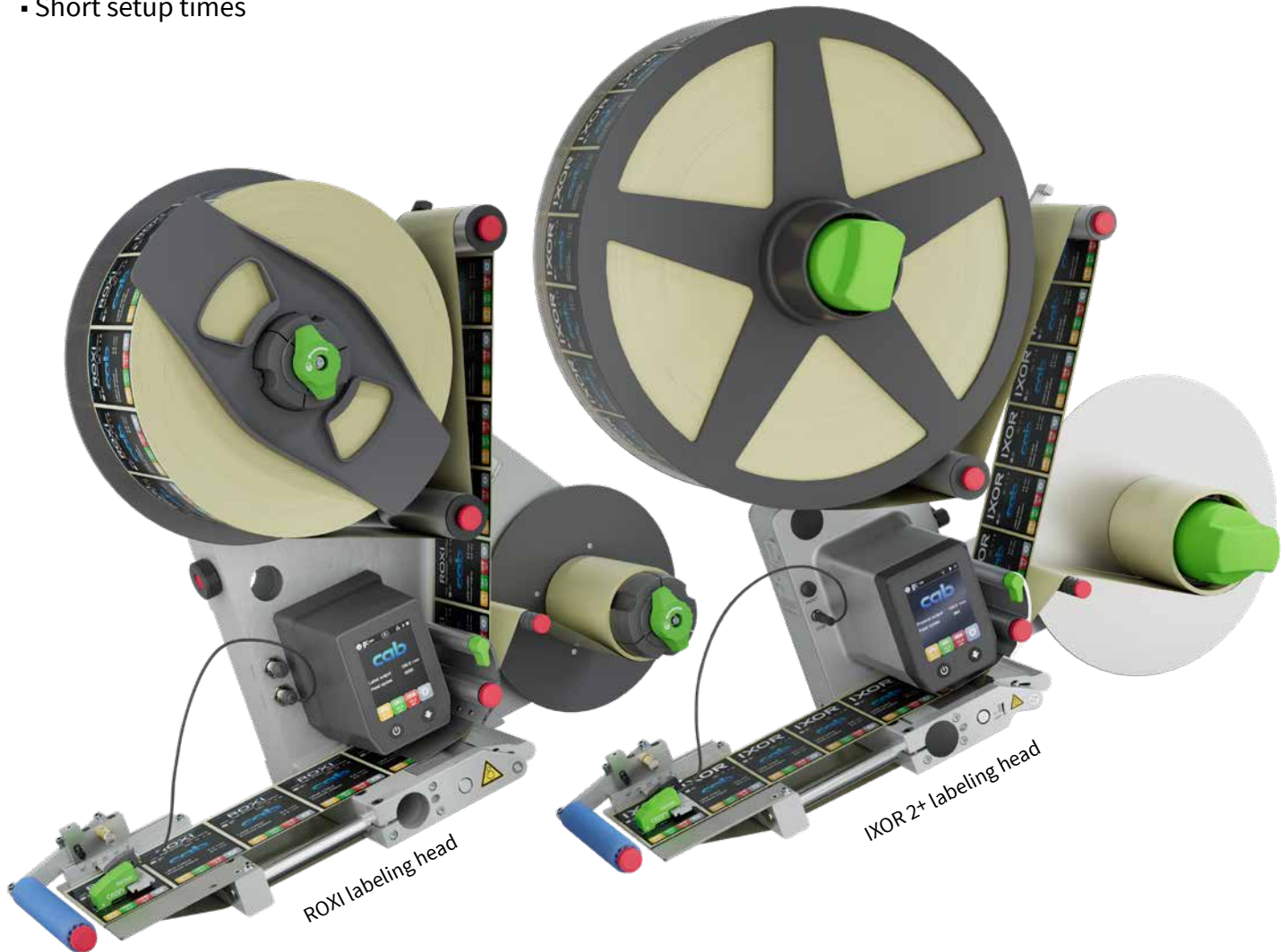


Further information on
www.cab.de/en/ixorplus

Common features

ROXI IXOR 2+

- Precise insert labeling
- Solid construction, perfect in every way
- Compact and slim design
- Any kind of assembly
- High quality and reliability
- Short setup times
- Future-proof investment
- Safety guaranteed
- Useful accessories



Compact and slim design

Easy to install into production lines or labeling plants

Any kind of assembly

Vertical, horizontal, inclined – labels provided to the left or right

High quality and reliability

Tried and tested functional modules Made in Germany

Durable and easy to maintain

Designed for continuous industrial use;
free firmware updates via Ethernet, USB interface or FTP software

Short setup times

on material changeover

Adjustable web brake

It helps with sensitive stamped parts and materials that are difficult to dispense. In cases of material changeover, simply open and close it using a lever.

Dynamic speed control

Label webs are fed automatically by a masterencoder (rotary → linear upon request) synchronous to the speed of an item.

Safety guaranteed

Certified by independently authorized testing labs

Useful accessories

Columns, stands, connecting cables and many others help with installing a labeling head ready for use.

Peripherals

ROXI IXOR 2+



ROXI HQ

ROXI labeling head with a HERMES HQ applicator

- Labeling of items at rest, as well as insert labeling
- Precise label positioning
- High repetitive accuracy
- Items of various heights
- Labels and molded parts:
 - Protective films
 - GORE-TEX membranes
 - Gaskets
 - Heat conduction pads
 - Shields

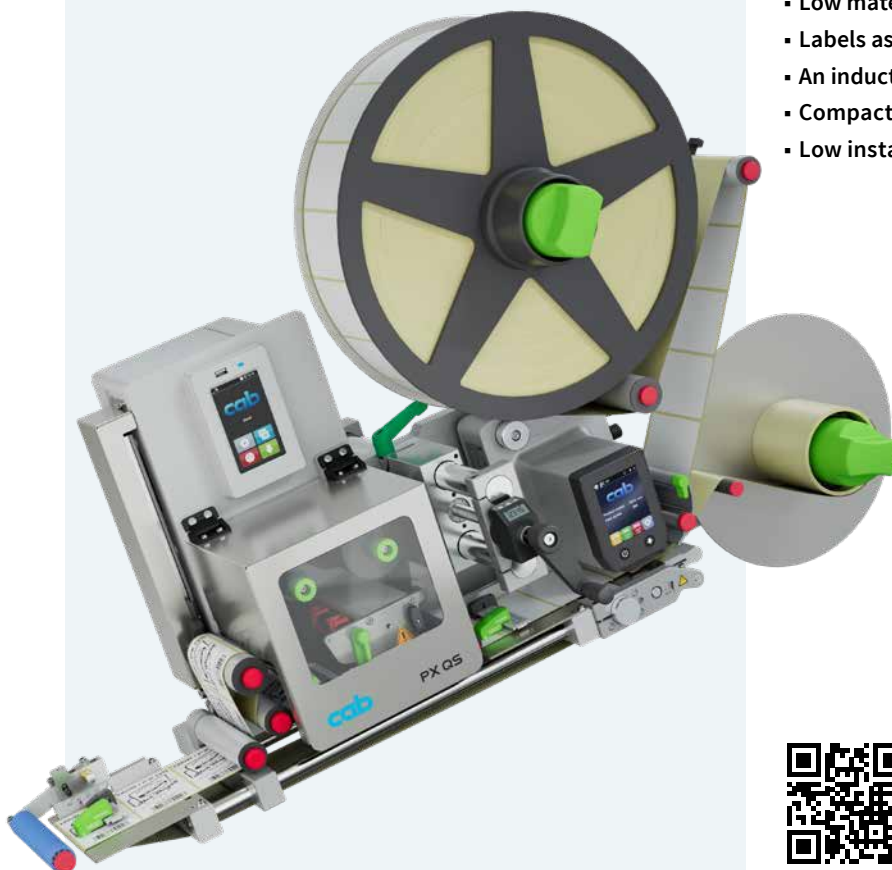


Further information on
www.cab.de/en/roxihq

PX QS

Print modules providing integral loop control for ROXI / IXOR 2+ labeling heads

- Low material loss thanks to programmable loop length
- Labels as long as 300 mm
- An inductive label sensor is an option with transparent labels.
- Compact design; mounting rods are required 450 mm long
- Low installation depth of 114 mm by lateral plug connectors



Installation depth 114 mm behind the material locating edge. As with the ROXI and IXOR models, power supply and interfaces locate lateral on the printer chassis, so are the interfaces.

The print module and the labeling head are jointly assembled on a carrier or a plate.

Labels without additional printing are fed directly to the dispenser tongue below the print module.



Further information on
www.cab.de/en/pxqs

ROXI 30 labeling head

with label webs running as fast as 30 m/min

ROXI

Roll unwinder

Outside diameter 310 mm

Core diameter 76 mm / further dimensions upon request

62 mm, 124 mm, 186 mm wide

Universal installation

A counterholder secures the outer layers of a roll when unwound in vertical installation.

The labeling head may be installed horizontally or vertically.



A labeling head is provided entirely assembled.

Base unit

All components such as system control, drive, interfaces and operation panel are installed onto the cast aluminum chassis, so are the unwinder and the rewinder.

Two mounting bores, diameter 30 mm each, allow the labeling head be installed into production and packing lines using fixed or adjustable assistants.

Demand unit

Thanks to a comprehensive modular design it can be configured for any application.

Mechanical unwinder

A pendulum arm and an integrated brake ensure the label web running in consistent tension.

Mechanical rewinder

Clamped onto the tightening axle of the rewinder and driven by a round belt, the liner rewinds after dispensing the labels. A pendulum arm and an integral clutch control the process.

IXOR 2+ 50 labeling head

IXOR 2+

with label webs running as fast as 50 m/min
using a mechanical unwinder and a mechanical rewinder

Roll unwinder

Outside diameters 310 mm, 410 mm / 510 mm upon request

Core diameter 76 mm / further dimensions upon request

Widths are 62 mm, 124 mm, 186 mm, 248 mm

Applications including material widths from 200 mm to 248 mm and roll diameters as large as 410 mm recommend a motoric rewinder. Labeling with a mechanical rewinder requires customer material been tested in advance.

The unwinder can be assembled independent from a base unit.

Vertical installation

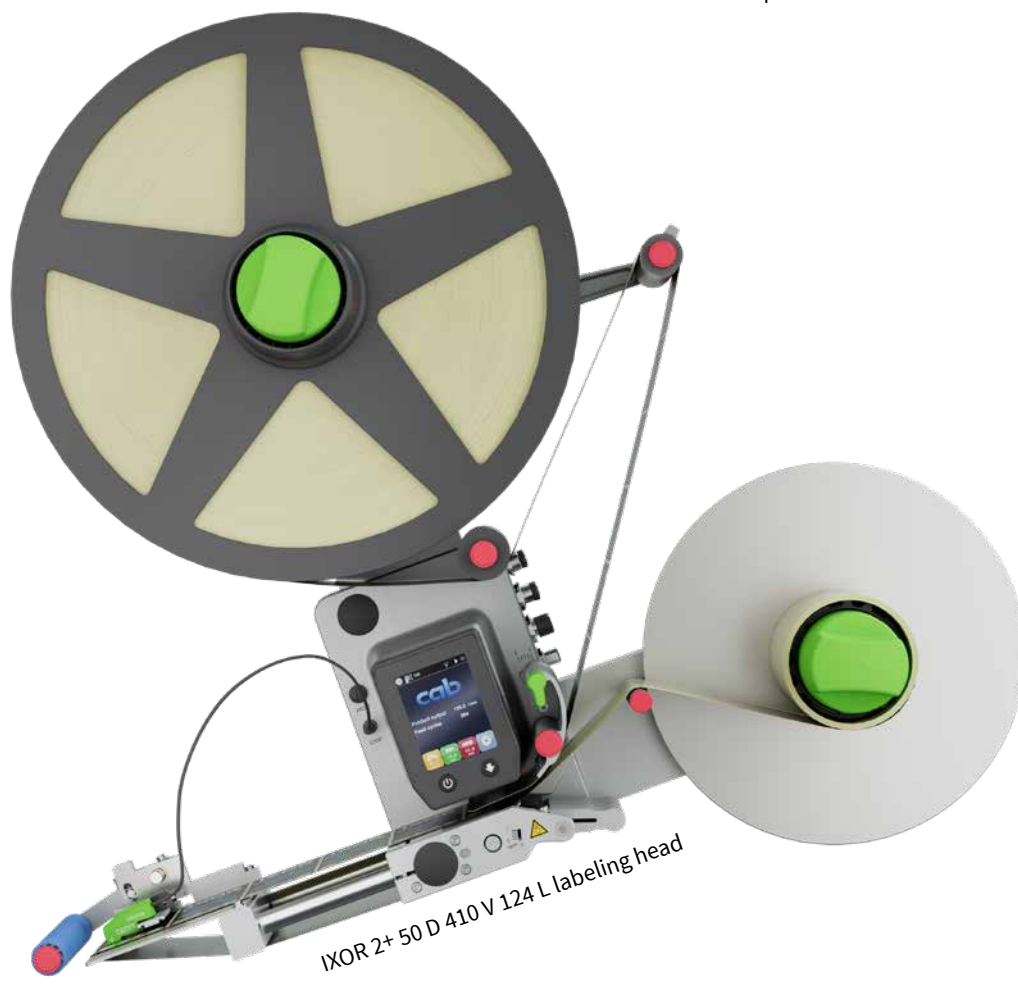
A counterholder secures the outer layers of a roll when unwound in vertical installation.

The sleeve core of an unwinder is extended by 62 mm relative to the maximum roll width to accommodate and clamp the counterholder.

The labeling head may be installed horizontally or vertically.

Horizontal installation

The lengths of the sleeve cores on both the unwinder and the rewinder correspond to the maximum roll width.



A labeling head can be provided entirely assembled or as individual modular components.

Base unit

The heart of a labeling head, it includes system control, drive, interfaces and operation panel. An unwinder, a rewinder and a demand unit are assembled to it.

Two mounting bores, diameter 30 mm each, allow the labeling head be installed into production and packing lines using fixed or adjustable assistants.

Demand unit

Thanks to a comprehensive modular design it can be configured for any application.

Mechanical unwinder

A pendulum arm and an integrated brake ensure the label web running in consistent tension.

Mechanical rewinder

Clamped onto the tightening axle of the rewinder and driven by a round belt, the liner rewinds after dispensing the labels. A pendulum arm and an integral clutch control the process.

IXOR 2+ 75 / 120 labeling heads

IXOR 2+

IXOR 2+ 75 with label webs running as fast as 75 m/min
using a mechanical unwinder and a motoric rewinder

IXOR 2+ 120 with label webs running as fast as 120 m/min
using a motoric unwinder and a motoric rewinder

Roll unwinder

Outside diameter 410 mm / 510 mm upon request

Core diameter 76 mm / further dimensions upon request

Widths are 62 mm, 124 mm, 186 mm, 248 mm / 310 mm upon request

The unwinder and the rewinder can be assembled independent from a base unit.

A double pendulum can be installed as an option in applications with high speeds and critical labels.

Vertical installation

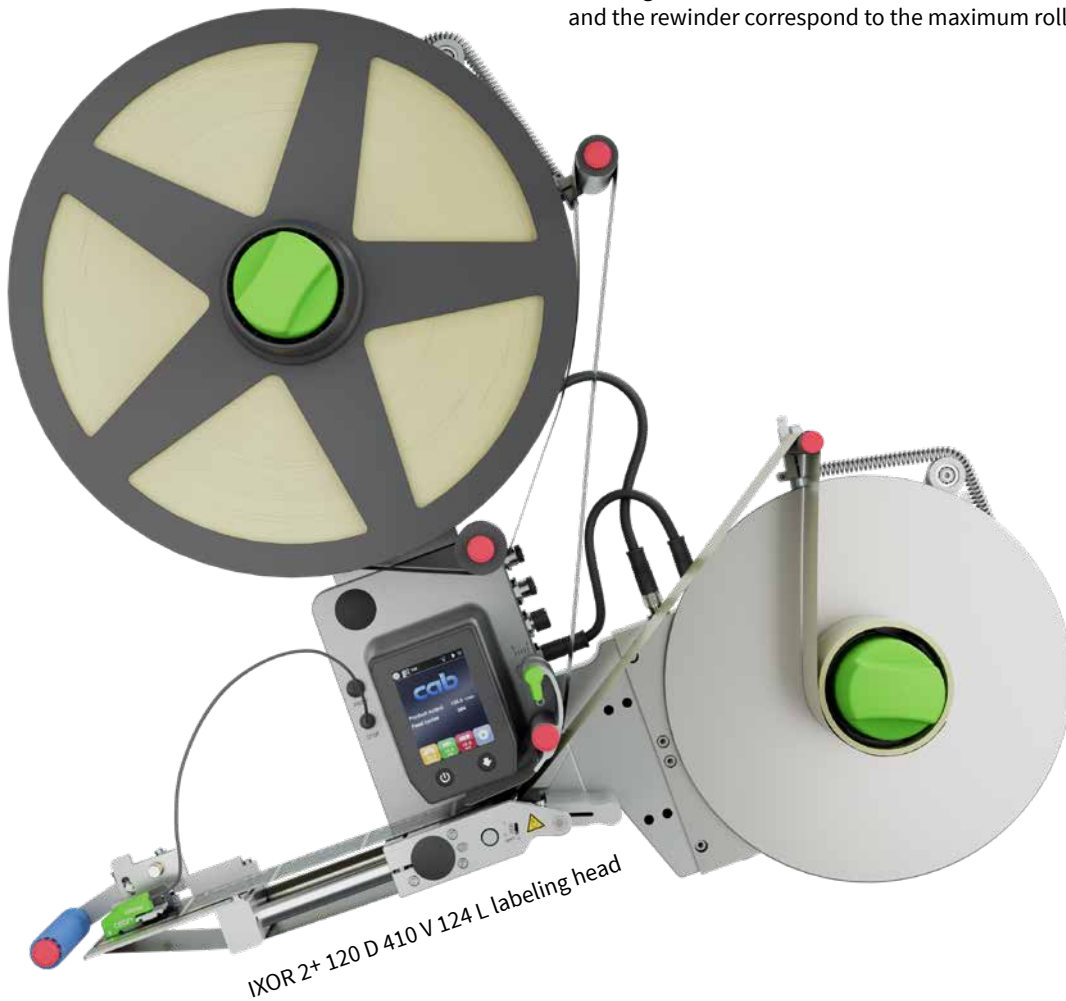
A counterholder secures the outer layers of a roll when unwound in vertical installation.

The sleeve core of an unwinder is extended by 62 mm relative to the maximum roll width to accommodate and clamp the counterholder.

The labeling head may be installed horizontally or vertically.

Horizontal installation

The lengths of the sleeve cores on both the unwinder and the rewinder correspond to the maximum roll width.



A labeling head can be provided entirely assembled or as individual modular components.

Base unit

The heart of a labeling head, it includes system control, drive, interfaces, operation panel and a PowerBus module for connecting a motoric winder. An unwinder, a rewinder and a demand unit are assembled to it.

Two mounting bores, diameter 30 mm each, allow the labeling head be installed into production and packing lines using fixed or adjustable assistants.

Demand unit

Thanks to a comprehensive modular design it can be configured for any application.

Mechanical unwinder on IXOR 2+ 75

A pendulum arm and an integrated brake ensure the label web running in consistent tension.

Motoric unwinder on IXOR 2+ 120

A pendulum arm and a brushless torque motor control the unwinding of the label web.

Motoric rewinder on IXOR 2+ 75 / 120

Clamped onto the tightening axle of the rewinder and driven by a brushless torque motor, the liner rewinds after dispensing the labels. A pendulum arm controls the speed of winding.

NEW Base unit of IXOR 2+

IXOR 2+



An IXOR 2+ base unit integrates a PowerBus module for controlling motoric rewinders and unwinders. It can be retrofit to the base unit of IXOR 2+ 50.

1 Label web brake

Swiveling
Adjustable braking force

2 Transport roller

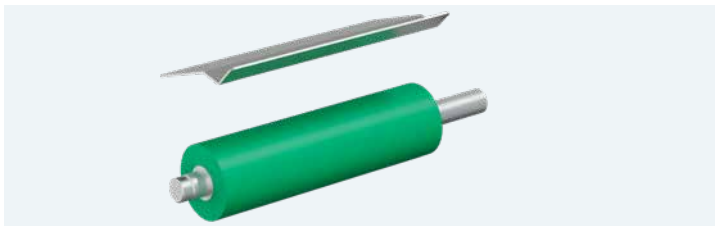
Smooth standard surface
Liner is fed through a plate.
A deflective guide plate can be installed to prevent the liner from wrapping. Grooves are therefore required on the roller.

3 Draw roller

Pressure is applied across the entire width of a material.
No need for adjustment when operating different label widths

4 Adjustment of pressure force

The pressure forced onto the transport roller can be adjusted for top-notch dispensing.

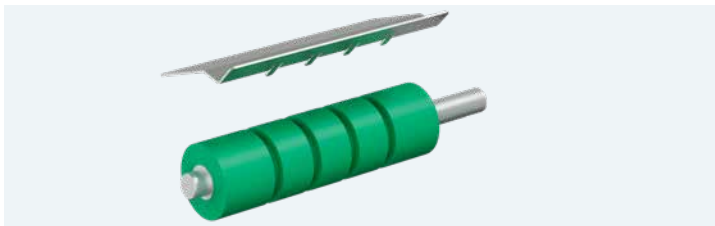


LB 124, 186, 248 (2 x LB 124) guide plates

Liner is separated from a label web.

TW 124, 186, 248 transport rollers

Synthetic rubber coating
Smooth surface



LBA 124, 186, 248 (2 x LBA 124) deflective guide plates

Liner is separated from a label web.
A deflector prevents the liner from wrapping around the transport roller.

TWA 124, 186, 248 transport rollers

Synthetic rubber coating with additional grooves for deflectors.
Effective with materials that are at least 40 mm wide.



Motoric winders

As is the case with mechanical winders, they are installed directly on a base unit.

1 Anchor holes on the base of a winder enable direct assembly onto a plate.

Winder arrangement corresponds to IXOR 2+ 50 with mechanical winders, so do the load and guidance of a material.

Operation panel

ROXI IXOR 2+

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

ROXI IXOR 2+

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

Compatibility of labeling heads



- Same codebase on ROXI and IXOR 2+
- Identical firmware file in preparation
- Advancements 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	✓	✓	✓
Reading and importing device configuration	✓	✓	✓
Firmware update	✓		✓

Remote support

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

Integral Ethernet protocols for higher-level machine control systems



- MQTT, ModBus TCP



- OPC UA



- Profinet in preparation

- Access via PLC and an industrial PC to parameters, I/O signals, error messages

Redundancy valid for IXOR 2+

- Two labeling heads can be operated redundantly and continually in an Ethernet network.
- While one unit actively applies labels onto items, another unit is on standby. In cases of a malfunction on an active unit (e.g. a label web ending), the second takes over immediately.
- All items located between the units are labeled.
- The product sensor and the rotary encoder each are provided once for both labeling heads. Signals are transmitted to both labeling heads via a distributor.
- An adapter is required for Ethernet connection.



Remote LAN / WLAN

Display and control via platform-independent web browsers (PC, tablet, smartphone)



Feed path schemes
On display

Ethernet protocols, label web speeds and encoders are entirely unlocked. The costs are included in the price of a unit.

Interfaces



- 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



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

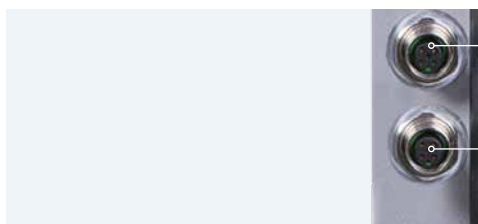
all inputs and outputs

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.

7 SYNC

A label web is synchronized by a masterencoder (rotary → linear upon request) to the speed of an item on a conveyor



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

Plug and PIN assignment compatible with IXOR 2+

Interfaces

IXOR 2+


Motoric unwinder / rewinder



- 1 **END/DIM**
Mechanical unwinder sensor input
Prior warning to a label web ending, label web ending, broken liner
- 2 **Ethernet**
TCP/IP data transfer
- 3 **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

Digital inputs Labeling head ON Pre-dispense Start labeling Start labeling locked Error reset User-defined	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
---	--
- 4 **START**
By signal, for example a product sensor
- 5 **APPLY**
USB host (via adapter cable)
Peripheral interface for plugging a printer and controlling a transfer unit according to 9
I/O, configurable with two inputs and one output
Compliant to IEC/EN 61131-2, type 1+3
All inputs and outputs protect from reverse polarity.
Outputs are also short-circuit proof.
An external operation panel or a warning light may be as well plugged.
- 6 **SYNC**
A label web is synchronized by a masterencoder (rotary → linear upon request) to the speed of an item on a conveyor
- 7 **POWER IN**
Input voltage 100 V to 240 V, 50 Hz to 60 Hz
- 8 **WLAN**
integral to the operation panel
- 9 **PRINT & APPLY**
Peripheral interface for plugging a printer and controlling a transfer unit with 24 VDC
- 10 **STOP**
Plug of a label sensor for detecting the leading edge of a label optically or inductively
- 11 **PowerBus IN**
Input voltage 100 V to 240 V, 50 Hz to 60 Hz
- 12 **PowerBus OUT**
Output voltage 100 V to 240 V, 50 Hz to 60 Hz

Plug and PIN assignment compatible with ROXI

Technical data

ROXI

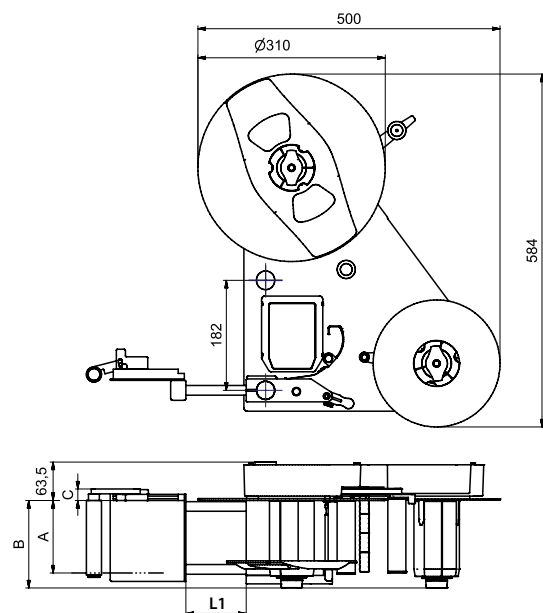
Roll width on ROXI		mm max.	62	124	186
Label web speed		m/min max.	30	30	30 ²⁾
Cycle rate		labels/min	It is determined by the length of a label and the speed of an item and can be simulated on the operation panel.		
Installation			vertical / horizontal		
Direction to which labels are provided			L = to the left, R = to the right		
Material ¹⁾					
Label material ³⁾			paper, synthetics PET, PE, PP, PVC		
			booklets		-
Label	Width	mm	10 - 58	10 - 120	10 - 182
	Length at feeding	mm	10 - 6,000		
	Gap	mm at least	2		
	Thickness	mm	0.055 - 1.0		
Liner	Width	mm	15 - 62	15 - 124	15 - 186
Roll	Weight	kg max.	12		
Unwinder	Winding		outside or inside		
	Core diameter	mm	76 / further dimensions upon request		
	Outside diameter	mm	310		
Rewinder	Outside diameter	mm	210		
	Core diameter	mm	76		
Label sensor					
Distance to locating edge	Features		detection of label margins and materials ending		
	CEON	mm	9 - 30	9 - 60	9 - 90
	GAB 500-1	mm	7.5 - 17.5		
	GAB 500-2	mm	8 - 40		
Operating data					
Voltage			100 VAC - 240 VAC, 50 Hz - 60 Hz		
Current consumption			max. 2 A with 100 VAC / 1 A with 240 VAC		
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, cMETus (acc. UL62368-1), CB		
Protection class			IP 40		
Operation panel					
			LED		
LCD graphics display			ON / OFF, FEED		
Width x Height mm			54 x 70		
Control					
			Prior warning to a label web ending, broken liner torque, temperature, voltage		

¹⁾ Limitations can occur when processing small labels, thin materials or materials using a strong adhesive.

If necessary, the peel-off plate is adjusted. Such applications require testing.

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

³⁾ A deflection roller with a diameter of 60 mm is recommended with stiff labels or booklets.



Labeling head	Dimension A mm	Dimension B mm	Weight kg
ROXI 62	62	140	11.5
ROXI 124	124	145	12
ROXI 186	186	205	13

Demand module	Dimension C mm	Mounting rod	Dimension L1 mm
SP	20	MS 25	25
SPE	24	MS 100	100
SPFA	20	MS 200	200
		MS 300	300
		MS 400	400
		MS 450	450

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Technical data

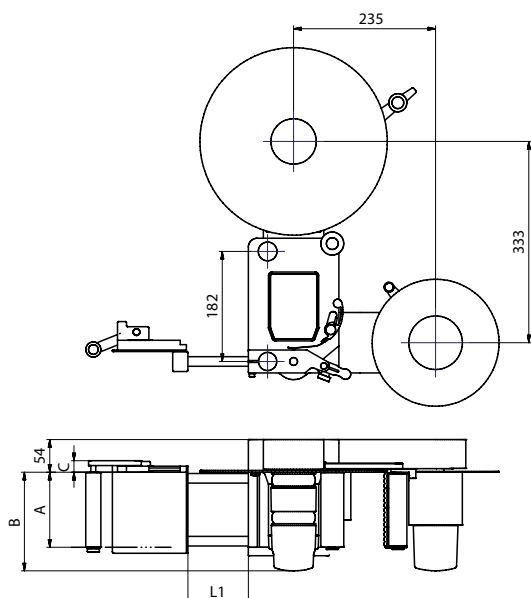
IXOR 2⁺

Roll width on IXOR 2+		mm max.	62	124	186	248	310 upon request
Label web speed when operating							
mechanical unwinder / rewinder		m/min max.	50 (unlocked as high as 60 m/min)				
mech. unwinder / motoric rewinder		m/min max.	75				
motoric unwinder / rewinder		m/min max.	120 (200 upon request)				
Cycle rate		labels/min	It is determined by the length of a label and the speed of an item 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				
Material ¹⁾							
Label material ³⁾			paper, synthetics PET, PE, PP, PVC				
			booklets		-		
Label	Width	mm	10 - 58	10 - 120	10 - 182	46 - 244	96 - 306
	Length at feeding	mm	10 - 6,000				
	Gap	mm at least	2				
	Thickness	mm	0.055 - 1.0				
Liner	Width	mm	15 - 62	15 - 124	15 - 186	50 - 248	100 - 310
Roll	Weight	kg max.	15				
Unwinder	Winding		outside or inside				
	Core diameter	mm	76 / further dimensions upon request				
	Outside diameter	mm	mechanical 310, 410 / motoric 410 (510 upon request)				
Rewinder	Outside diameter	mm	mechanical 210, 290 / motoric 310 (410 upon request)				
	Core diameter	mm	92				
Label sensor							
Distance to locating edge	Features		detection of label margins and materials ending				
	CEON	mm	9 - 30	9 - 60	9 - 90		
	GAB 500-1	mm	7.5 - 17.5				
	GAB 500-2	mm	8 - 40				
Operating data							
Voltage			100 VAC - 240 VAC, 50 Hz - 60 Hz				
Current consumption		max.	5 A with 100 VAC / 2.5 A with 240 VAC				
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				
Protection class			IP 66				
Operation panel							
		LED	ON / OFF, FEED				
LCD graphics display		Width x Height mm	54 x 70				
Control							
			Prior warning to a label web ending, label web ending, broken liner torque, temperature, voltage				

¹⁾ Limitations can occur when processing small labels, thin materials or materials using a strong adhesive.

If necessary, the peel-off plate is adjusted. Such applications require testing.

²⁾ A deflection roller with a diameter of 60 mm is recommended with stiff labels or booklets.



	Dimension A mm	Dimension B mm
Roll width	62	163
	124	225
	186	287
	248	349
	310	411

Demand module	Dimension C mm	Mounting rod	Dimension L1 mm
SP	20	MS 25	25
SPE	24	MS 100	100
SPFA	20	MS 200	200
		MS 300	300
		MS 400	400
		MS 450	450

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Demand units

ROXI IXOR 2+

They have a modular design and can be configured according to an application.

Settings for wipe-down rollers, brushes and sensors can be reproduced using scales.

All adjustments can be made with a Torx screwdriver even during labeling.

Wear parts such as wipe-down rollers and brushes can be replaced without additional tools for maintenance or cleaning, so can deflection rollers.

IXOR peel-off plates (even custom ones) can be installed also to IXOR 2+.

Three steps to an entire unit

1. Dispenser heads

Demand module

It consists of a dispenser tongue, a guide and a cross-section profile.

Carriage

It is used for adjusting the distance of a wipe-down roller respectively brush to the peel-off plate.

Wipe-down roller or brush

Labels when attached insert are precisely applied onto items using a roller or a brush. These can be precisely tailored to an item for optimum labeling.

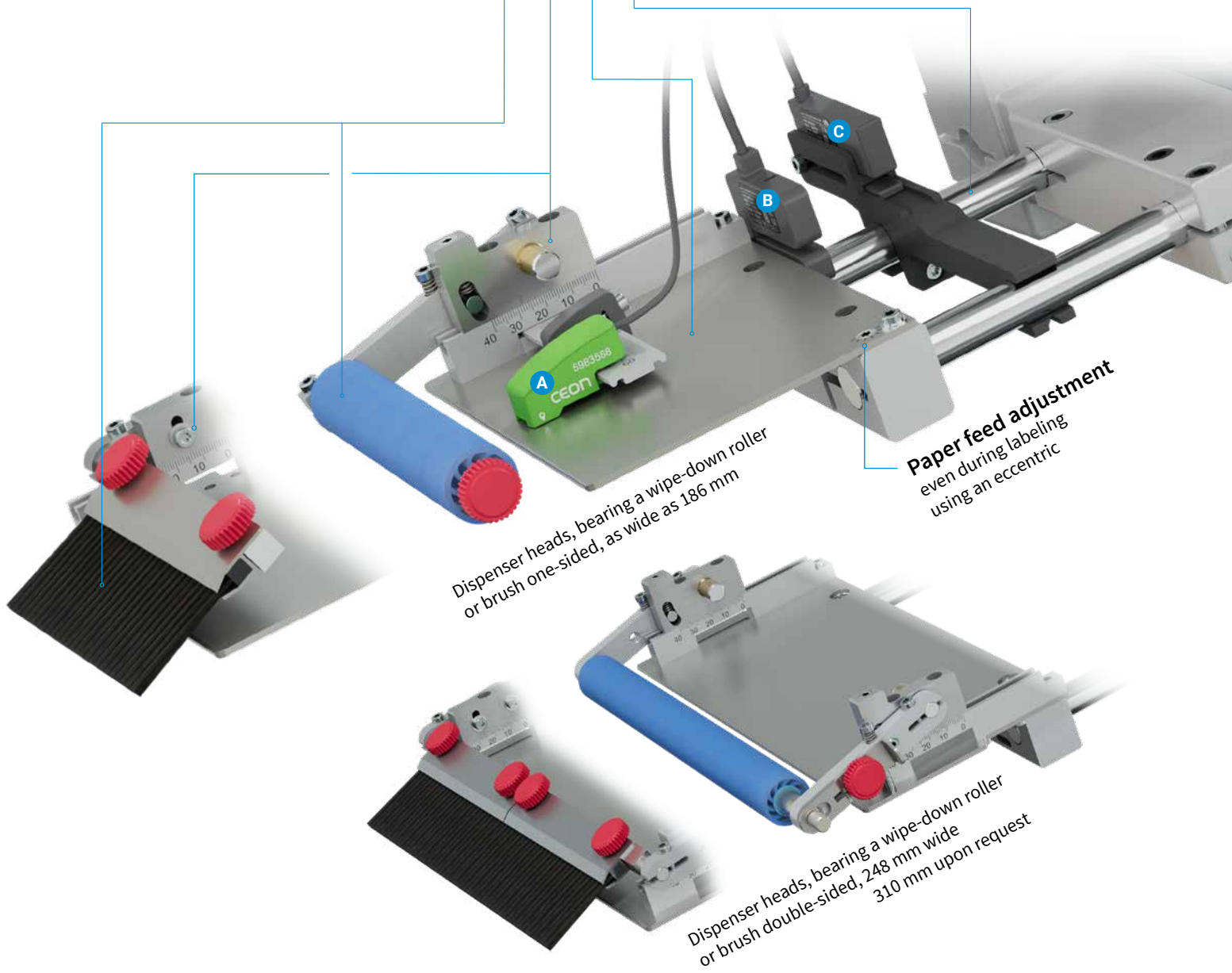
2. Mounting rods

They connect a labeling head with a demand unit.

3. Label sensors

Label positions are detected exactly, high repetition accuracy included

- A** Inductive CEON sensor on a dispenser tongue
- B** GAB 500-1 forked light barrier on a demand module
- C** GAB 500-2 forked light barrier on a retainer



Dispenser heads, bearing a wipe-down roller or brush one-sided, as wide as 186 mm

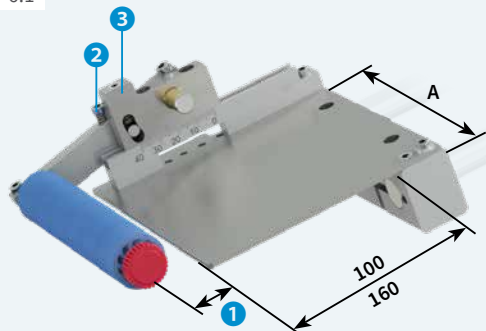
Paper feed adjustment
even during labeling
using an eccentric

Dispenser heads, bearing a wipe-down roller or brush double-sided, 248 mm wide 310 mm upon request

1.1 Dispenser heads

ROXI IXOR 2⁺

6.1



SK/ARS with a wipe-down roller

Attached to two mounting rods

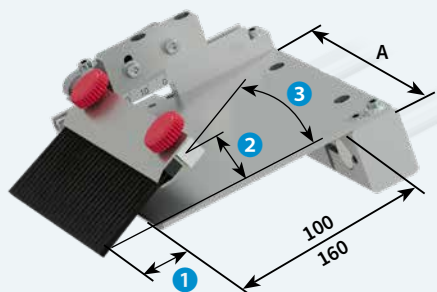
It takes three adjustments to align the roller best possible:

- ① 5 mm to 40 mm distant to the peel-off plate
- ② Lower end position of the roller onto an item
- ③ Pressure forced onto an item by pre-tensioning a spring

Dispenser heads

Labels provided to the left		Labels provided to the right		Dim. A mm
Length L 100 mm	Length L 160 mm	Length L 100 mm	Length L 160 mm	
SK/ARS 100/62L	SK/ARS 160/62L	SK/ARS 100/62R	SK/ARS 160/62R	62
SK/ARS 100/124L	SK/ARS 160/124L	SK/ARS 100/124R	SK/ARS 160/124R	124
SK/ARS 100/186L	SK/ARS 160/186L	SK/ARS 100/186R	SK/ARS 160/186R	186
SK/ARS 100/248L	SK/ARS 160/248L	SK/ARS 100/248R	SK/ARS 160/248R	248

6.2



SK/AB with a wipe-down brush

Attached to two mounting rods

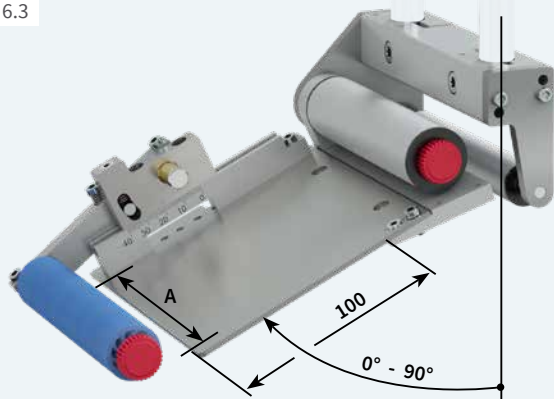
It takes three adjustments to align the brush best possible:

- ① 1 mm to 35 mm distant to the peel-off plate
- ② Distance in terms of height to the peel-off plate
- ③ Angles 15° to 45° to the peel-off plate

Dispenser heads

Labels provided to the left		Labels provided to the right		Dim. A mm
Length L 100 mm	Length L 160 mm	Length L 100 mm	Length L 160 mm	
SK/AB 100/62L	SK/AB 160/62L	SK/AB 100/62R	SK/AB 160/62R	62
SK/AB 100/124L	SK/AB 160/124L	SK/AB 100/124R	SK/AB 160/124R	124
SK/AB 100/186L	SK/AB 160/186L	SK/AB 100/186R	SK/AB 160/186R	186
SK/AB 100/248L	SK/AB 160/248L	SK/AB 100/248R	SK/AB 160/248R	248

6.3



SKE/ARS, alignable 0°-90° using a wipe-down roller

Better operability or limited space may force a labeling head be installed rotated vertically.

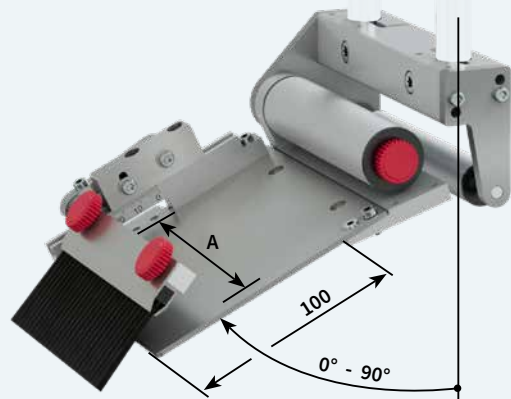
The dispenser tongue can be continuously aligned from 0° to 90°.

Dispenser heads

Labels provided to the left	Labels provided to the right	Dim. A
Length L	100 mm	mm
SKE/ARS 100/62L	SKE/ARS 100/62R	62
SKE/ARS 100/124L	SKE/ARS 100/124R	124
SKE/ARS 100/186L	SKE/ARS 100/186R	186
SKE/ARS 100/248L	SKE/ARS 100/248R	248

Dispenser tongue 160 upon request

6.4



SKE/AB, alignable 0°-90° using a wipe-down brush

Better operability or limited space may force a labeling head be installed rotated vertically.

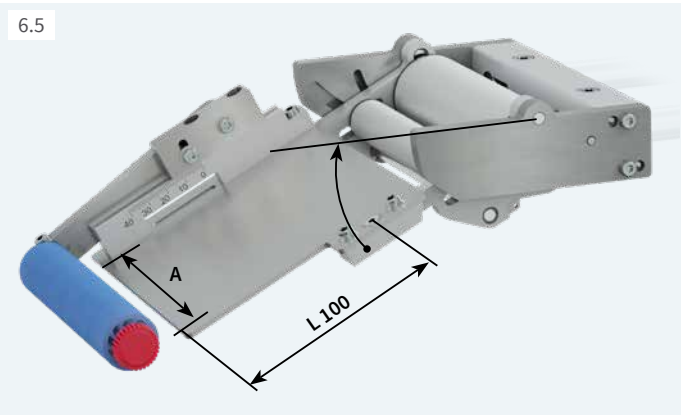
The dispenser tongue can be continuously aligned from 0° to 90°.

Dispenser heads

Labels provided to the left	Labels provided to the right	Dim. A
Length L	100 mm	mm
SKE/AB 100/62L	SKE/AB 100/62R	62
SKE/AB 100/124L	SKE/AB 100/124R	124
SKE/AB 100/186L	SKE/AB 100/186R	186
SKE/AB 100/248L	SKE/AB 100/248R	248

Dispenser tongue 160 upon request

1.2 Dispenser heads



SKF/ARS, pivotable by spring force with an ARS wipe-down roller
When labeling insert onto curved or inclined surfaces, the dispenser head can be adapted by spring force to the surface and height of an item.
Pivotability ranges from 10 mm to 80 mm in terms of height.

Dispenser heads		
Labels provided to the left	Labels provided to the right	Dim. A mm
Length L 100 mm		
SKF/ARS 100/62L	SKF/ARS 100/62R	62
SKF/ARS 100/124L	SKF/ARS 100/124R	124
SKF/ARS 100/186L	SKF/ARS 100/186R	186
SKF/ARS 100/248L	SKF/ARS 100/248R	248

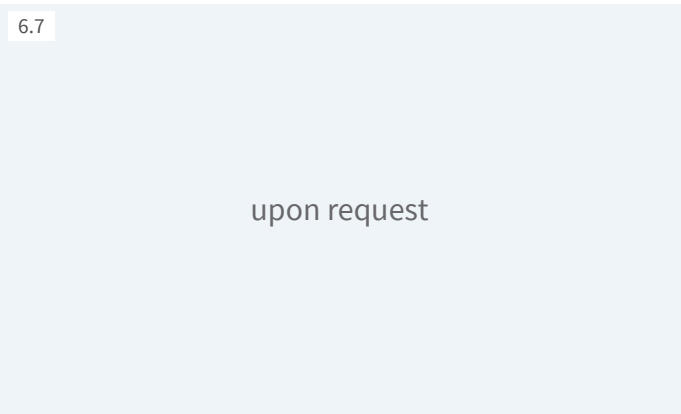
Dispenser tongue 160 upon request



SKP/ARS, pneumatically pivotable with a wipe-down roller
When labeling onto sensitive surfaces, cylindrical items or into pockets, the dispenser head can be pivoted pneumatically.
Pivotability ranges from 10 mm to 20 mm in terms of height.

Dispenser heads		
Labels provided to the left	Labels provided to the right	Dim. A mm
Length L 100 mm		
SKP/ARS 100/62L	SKP/ARS 100/62R	62
SKP/ARS 100/124L	SKP/ARS 100/124R	124
SKP/ARS 100/186L	SKP/ARS 100/186R	186
SKP/ARS 100/248L	SKP/ARS 100/248R	248

Dispenser tongue 160 upon request



ARP/ARS, the wipe-down roller pneumatically pivotable
When labeling onto sensitive surfaces, cylindrical items or into pockets, the wipe-down roller can be pivoted pneumatically.
Pivotability as high as 10 mm

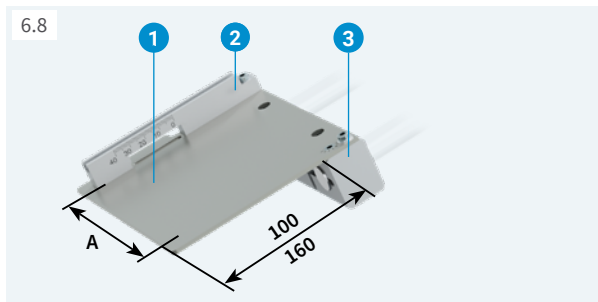
Dispenser heads		
Labels provided to the left	Labels provided to the right	Dim. A mm
Length L 100 mm		
ARP/ARS 100/62L	ARP/ARS 100/62R	62
ARP/ARS 100/124L	ARP/ARS 100/124R	124
ARP/ARS 100/186L	ARP/ARS 100/186R	186
ARP/ARS 100/248L	ARP/ARS 100/248R	248

Dispenser tongue 160 upon request

Dispenser head type code index		SKE/ARS 100/124L
SK		
SKE alignable 0°-90°		
SKF pivotable by spring force		
SKP pneumatically pivotable		
ARP wipe-down roller pneumatically pivotable		
Wipe-down roller ARS		
Wipe-down brush AB		
Length of dispenser tongue		
Roll width	62 mm	
	124 mm	
	186 mm	
	248 mm	
Labels provided	L to the left	
	R to the right	

1.3 Dispenser heads as components

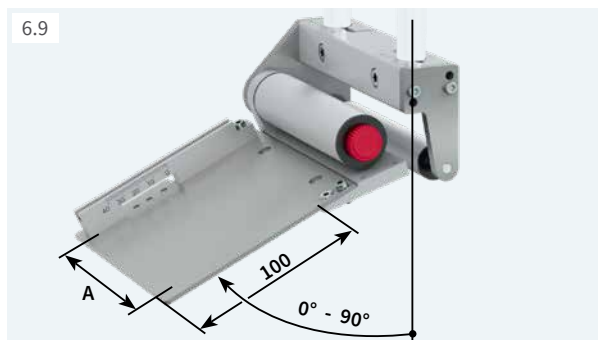
ROXI IXOR 2⁺



SP demand modules

A demand module consists of a dispenser tongue ①, a guide ② and a cross-section profile. ③
Attached to two mounting rods

	Direction to which labels are provided				Dim. A mm
	Type left	Type right	Type left	Type right	
Demand modules	SP 100/62L	SP 160/62L	SP 100/62R	SP 160/62R	62
	SP 100/124L	SP 160/124L	SP 100/124R	SP 160/124R	124
	SP 100/186L	SP 160/186L	SP 100/186R	SP 160/186R	186
	SP 100/248L	SP 160/248L	SP 100/248R	SP 160/248R	248

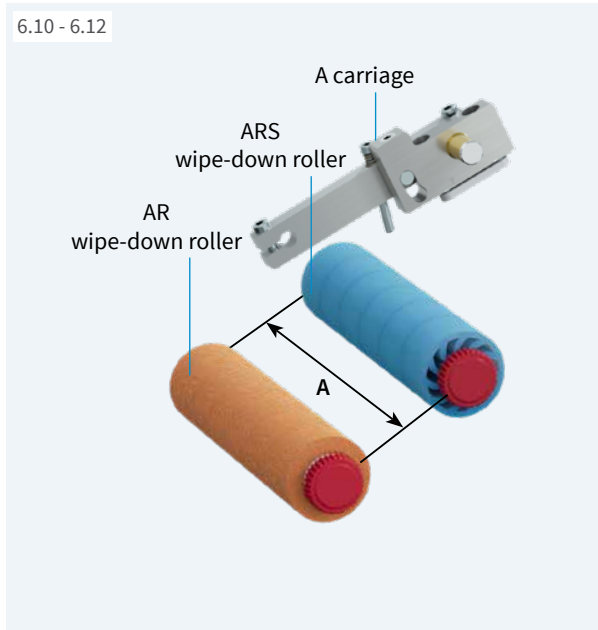


SPE demand modules, alignable

Better operability or limited space may force a labeling head be installed rotated vertically.
The dispenser tongue can be continuously aligned from 0° to 90°.

	Direction to which labels are provided		Maß A mm
	Type left	Type right	
Demand modules	SPE 100/62L	SPE 100/62R	62
	SPE 100/124L	SPE 100/124R	124
	SPE 100/186L	SPE 100/186R	186
	SPE 100/248L	SPE 100/248R	248

Dispenser tongue 160 upon request



A carriages for assembling a wipe-down roller

They are installed onto the guide of a demand module.

Direction to which labels are provided	Type left	Type right
Carriage	AL	AR

ARS wipe-down rollers

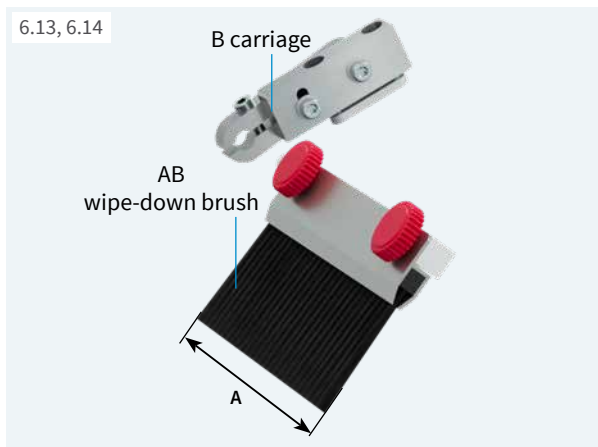
Composed of narrow silicone wipe-down rollers, each 20.5 mm wide
Material: Silicone for long lifecycles, FDA approved
Suitable for applications related to food and clean rooms

	Type	Quantity of individual rollers	Dimension A mm
Wipe-down rollers	ARS 41	2	41
	ARS 62	3	62
	ARS 124	6	124
	ARS 186	9	186
	ARS 248	12	248

AR wipe-down rollers

Material: open-cell foam, recommended with labels printed by inkjet

	Type	Dimension A mm
Wipe-down rollers	AR 62	62
	AR 124	124
	AR 186	186



B carriage for assembling a wipe-down brush

It is installed onto the guide of a demand module.

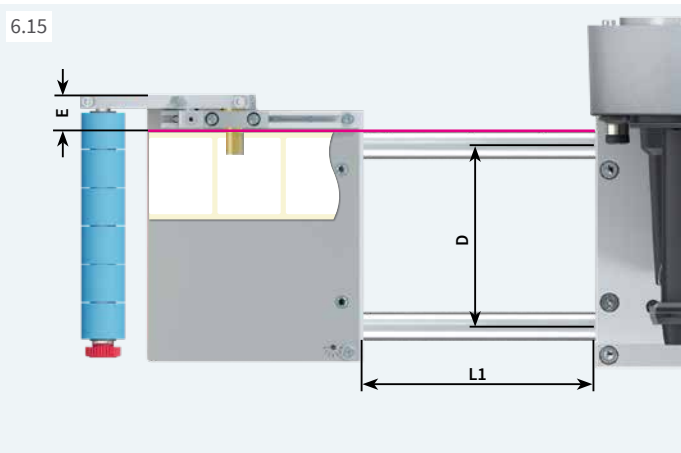
Direction to which labels are provided	Type left and right
Carriage	B

AB wipe-down brushes

Suitable with standard labels at least 20 mm wide and 20 mm high.
It can be replaced without tools when worn

	Type	Dimension A mm
Wipe-down brushes	AB 62	62
	AB 124	124
	AB 186	186
	2 x AB 124	248

2. Mounting rods



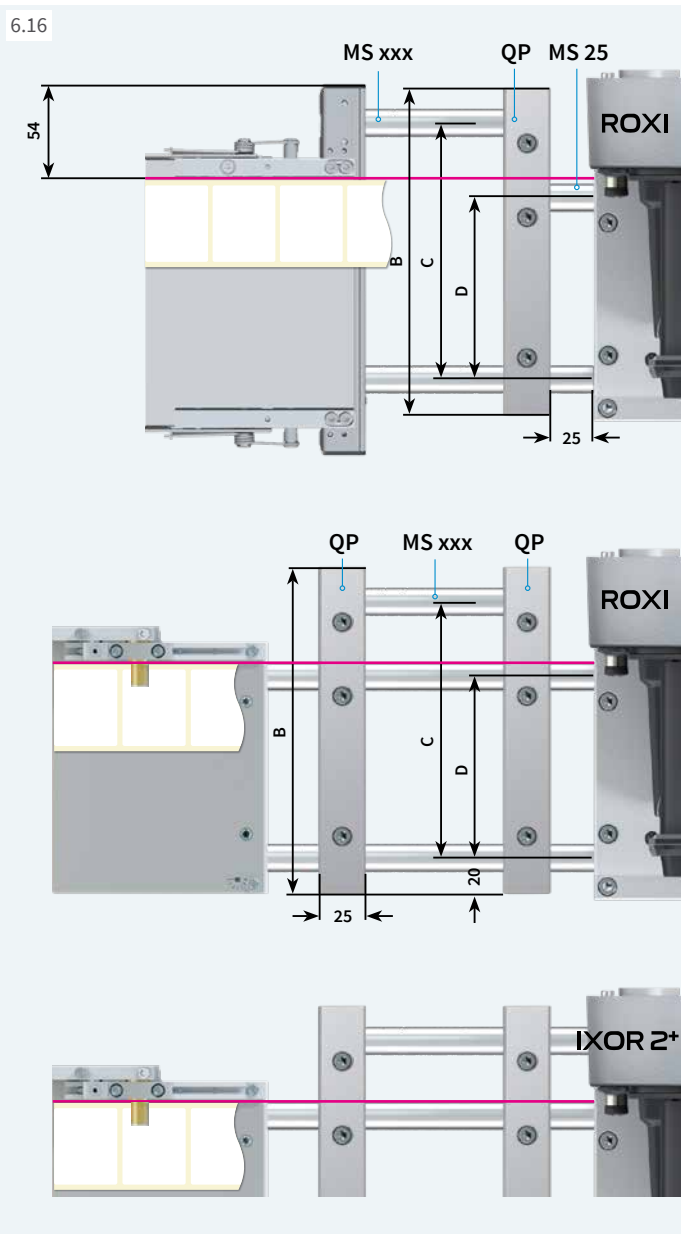
MS mounting rods
They connect a labeling head to a demand unit.
Two mounting rods are required per unit.

	Type	Dimension L1 mm
Mounting rods	MS 25	25
	MS 100	100
	MS 200	200
	MS 300	300
	MS 400	400
	MS 450	450

Further lengths upon request

Demand module	Dimension E mm	Roll width mm	Dimension D mm
SP	20	62 / 124	104
SPE	24	186	166
SPFA	20	248	228

Accessories provided for cross-section profiles



Assembling IXOR peel-off plates to ROXI
Dimension D is adjusted to C using a QP profile and MS 25 rods.
MS xxx mounting rods must be shortened by 40 mm.

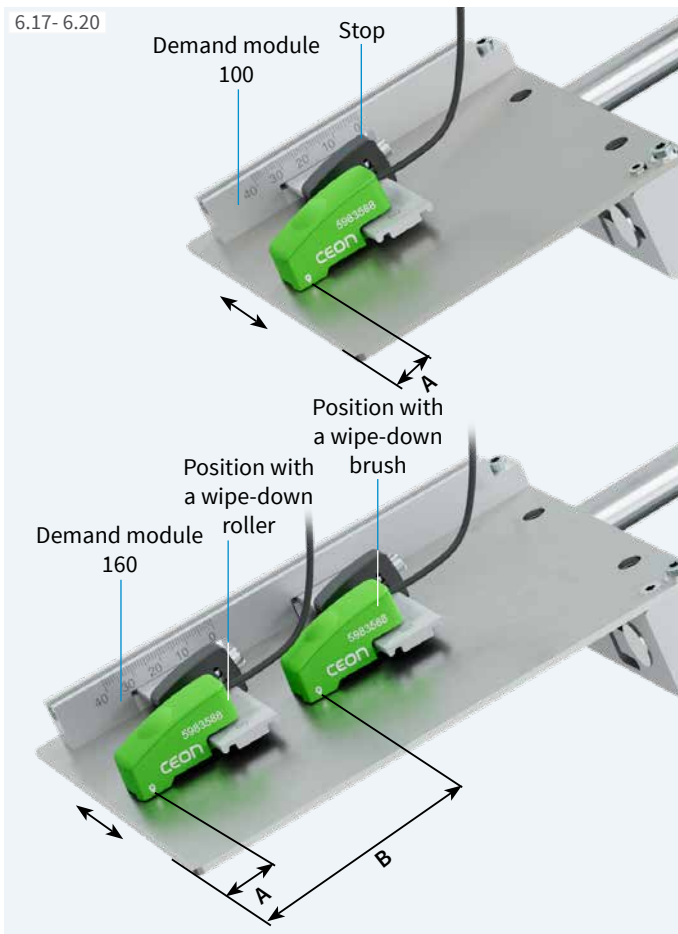
Reinforcing long mounting rods or attaching accessories
MS xxx as a third rod and further QP profiles may be added.
Operated with ROXI, MS xxx mounting rods must be shortened by 40 mm.

	Type	Roll width mm	Dimension B mm	Dimension C mm	Dimension D mm
Cross-section profiles	QP 186	62 / 124	186	146	104
	QP 248	186	248	208	166
	QP 310	248	310	270	228

3. Sensors

ROXI IXOR 2⁺

6.17- 6.20



CEON label sensor

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.

The sensor can be aligned along the retainer bar. Distances can be easily set using a scale.

		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
Repetitive accuracy	mm	± 0.05
Connecting cable	length mm	600

Stop

It is adjustable for accurate spotting after sensor disassembly.

Retainer bar

It is installed onto the dispenser tongue.

Dimension A is optimized for a wipe-down roller or brush.

	Type	Sensor distance to locating edge mm	Stop in use mm
Retainer bars	CEON 30	10 - 30	20 - 30
	CEON 60	10 - 60	20 - 60
	CEON 90	10 - 90	20 - 90
Distance to peel-off plate	Dimension A is alignable from 14 mm to 24 mm A wipe-down roller is recommended with 14 mm, 24 mm prefers a wipe-down brush. Dimension B, 74 mm, prefers a wipe-down brush.		

6.21



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
Repetitive accuracy	mm	± 0.05
Dimension C to locating edge		
Range of adjustability	mm	7.5 - 17.5

6.22, 6.23



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
Repetitive accuracy	mm	± 0.05
Dimension C to locating edge		
Range of adjustability	mm	8.0 - 40

Retainer

To be assembled at any spot to mounting rods, fixed by a screw

	Type	Dimension D mm
Retainer	GAB 500-2/124	104
	GAB 500-2/186	166
	GAB 500-2/248	228

Options

ROXI IXOR 2+



UR D60 deflection rollers

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	Width B mm
Deflection rollers	UR D60/62	60	62
	UR D60/124	60	124
	UR D60/186	60	186
	UR D60/248	60	248
Guide	FR D60	-	-

② cannot be installed on an IXOR 2+ base unit

Anti-stick-coated deflection rollers can be provided upon request.

Accessories



Product sensor

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

Product sensor cable

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



Rotary encoder

Incremental, resolution 0.1 mm, tracked A and B

Connecting cable M12, 5 pins, a-coded, 2.5 m

for automatically synchronizing the speed of labeling

Unlocked by key



Friction wheel

Circumference 200 mm, diameter 63.7 mm



Retainer

It presses a friction wheel by spring force onto a conveyor. Assembly to a conveyor requires a mounting bracket.



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 unit.

① USB slot, transmitting configuration or firmware transfer

② LED: Power ON

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

IXOR 2+: Connecting APPLY cable 6 m



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

Plugging to IXOR 2+ in addition requires

a connecting APPLY cable M12, 12 pins, 0.2 m

Cables and plugs

ROXI IXOR 2+

7.9



Cable plug M12, 5 pins, a-coded, male

Circular connector to base unit START, PRINT & APPLY, STOP

7.10



Cable jack M12, 5 pins, a-coded, female

Circular connector to base unit SYNC

7.11



7.12



7.13



Distributors / adapter Ethernet for redundant operations

The product sensor and the rotary encoder each are provided once for both labeling heads. Signals are transmitted to both labeling heads via a distributor.

Distributor M12, 5 pins, a-coded:

1 x female → 2 x male for a product sensor

1 x male → 2 x female for a rotary encoder

Ethernet connection requires a **RJ45 adapter**.

7.14



7.15



I/O, wire-end-ferruled

M12, 17 pins, 5 m

Extending I/O cables

M12, 17 pins, 2.5 m, 10 m

7.17



Extending SYNC cables

for rotary encoder, redundancy / M12, 5 pins, a-coded, 2.5 m, 10 m

for CEON and mechanical unwinder on IXOR 2+,

if assembled separately / M12, 5-polig, a-coded, 0.5 m

7.18



APPLY cable for USB host

M12, 12 pins, 0.2 m

7.19



Power cables, wire-end-ferruled

2.5 m, 5 m, 10 m

7.20



Power cable, plugged E+F

2.5 m

7.21



Ethernet cables

M12, 4 pins, d-coded on RJ45, 0.5 m, 2.5 m, 5 m, 10 m

2 port Ethernet switch on printer to IXOR 2+

7.22



RJ45 Ethernet cable, 0.5 m

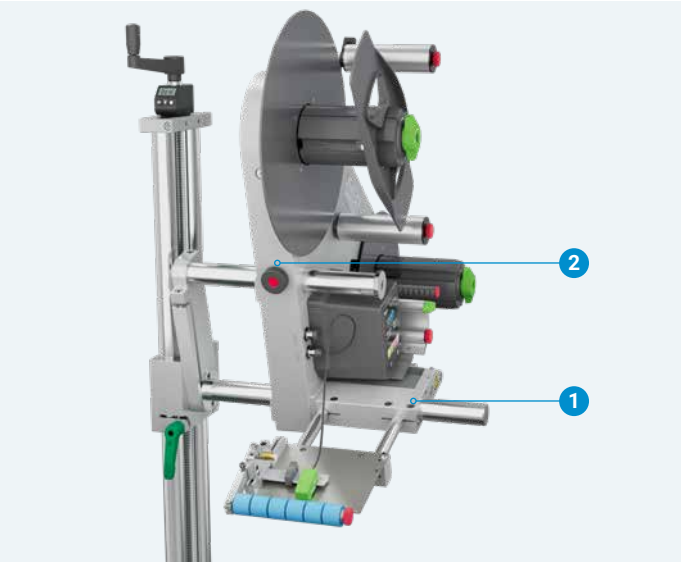
2 port Ethernet switch on printer to ROXI

IXOR 2+

ROXI

Unit retainers

ROXI IXOR 2+



Unit retainer

A labeling head is mounted onto two columns.
On these, dispensing spots can be fixed or shifted.

Dispensing spots on ROXI and IXOR 2+ are fixed by a screw 1.
Using a knurled screw 2 on the chassis is an option only with ROXI.

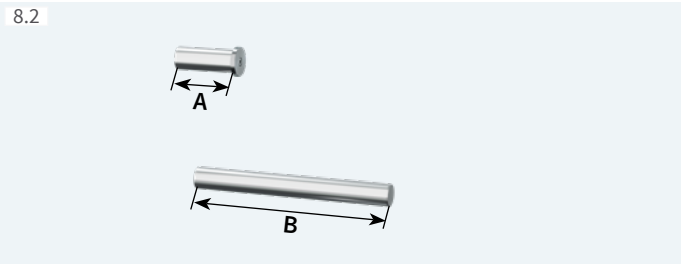


Assembly of a unit retainer onto a profile or a plate
Thread M10 x 20 on the column



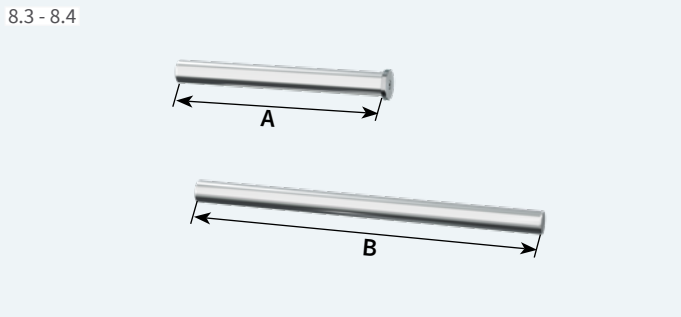
Tie rod

It allows item-specific inclination.
The upper rod is clamped to the tie rod and secured by screw A.
The lower rod and the collar bearing are screw-fixed on a column or a plate.
The tie rod can be swiveled on the collar bearing and locked in place by screw B.



Unit retainers for fixed positioning of a labeling head
Vertical or horizontal installation

	Type	Adjustable track		Column length	
		Tie rod mm	Plate mm	Dim. A mm	Dim. B mm
Unit retainers fixed	GHF 124	0	20	80	226
	GHF 186	0	20	80	288
	GHF 248	0	20	80	350

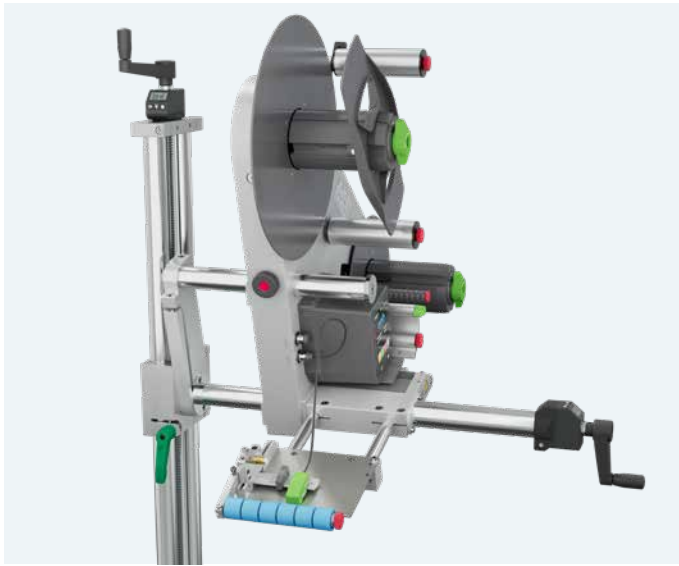


Unit retainers for shifting a labeling head along columns
Vertical installation of the labeling heads only

	Type	Adjustable track		Column length	
		Tie rod mm	Plate mm	Dim. A mm	Dim. B mm
Unit retainers shiftable	GHV 100/124	100	120	180	325
	GHV 100/186	100	120	180	390
	GHV 100/248	100	120	180	455
	GHV 200/124	200	220	280	425
	GHV 200/186	200	220	280	490
	GHV 200/248	200	220	280	555

Unit retainers alignable by spindle

ROXI IXOR 2+



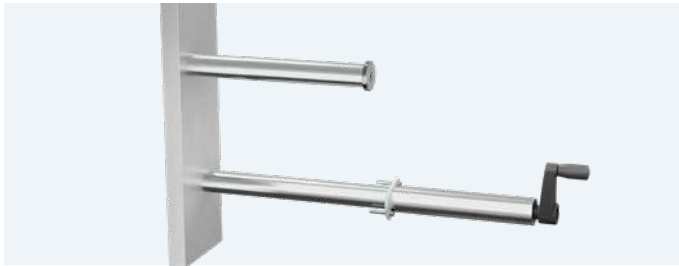
Unit retainers alignable by spindle

They enable a labeling head be positioned according to a dispensing spot.

The position of a labeling head can be shifted by 4 mm per rotation using a crank.

A position indicator electronically indicates the specified spot of a label on an item.

Vertical or horizontal installation



Assembly of a unit retainer onto a profile or a plate
Thread M10 x 20 on the column

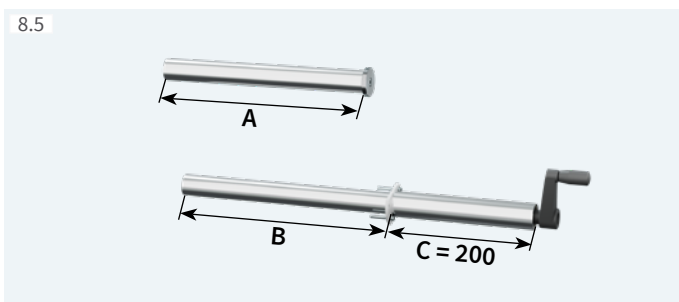
8.1



Tie rod

It allows item-specific inclination.

8.5



Unit retainers for positioning a labeling head by spindle

Vertical or horizontal installation

	Type	Adjustable track		Column length	
		Tie rod mm	Plate mm	Dim. A mm	Dim. B mm
Unit retainers alignable by spindle	GHS 150/124	150	150	230	226 - 376
	GHS 150/186	150	150	230	288 - 438
	GHS 150/248	150	150	230	350 - 500

pitch 4 mm per rotation by trapezoidal thread

8.10



EPOS / GHS position indicator

It electronically indicates the spot of a label on an item.

It can be aligned to an optimum readout position regardless of the installation orientation of a labeling head.

Scope of delivery includes an adapter kit.

Display settings:

- Counting up / down
- Reset display value
- Offset value

- mm or Inch
- absolute or incremental

Columns

ROXI IXOR 2+



Column

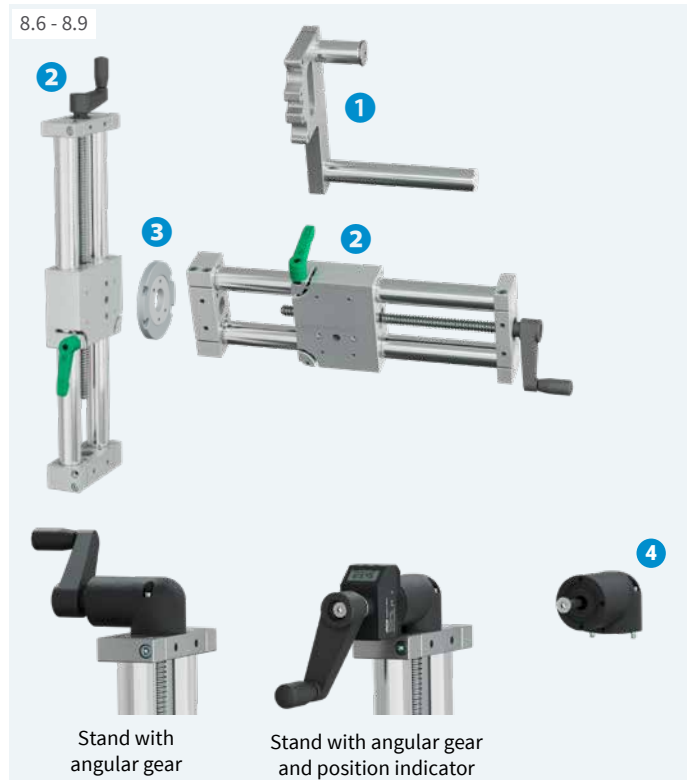
It ensures a labeling head remain stable even at a larger adjustable track.

Target positions on items are adjusted transverse to transport and altitude-specific.

An electronic indicator exactly indicates the target position of a label on an item.

Suitable with vertical and horizontal installation

8.6 - 8.9



1 Carrier plate

It is screwed onto the carriage on the front of a column. GHF retainers, designed to accommodate a labeling head, are installed so that labels can be provided to the left or right.

	Type	Roll width mm
Carrier plates	TP 124 K	124
	TP 186 K	186
	TP 248 K	248

2 Column

It has a compact design. Ground columns and a trapezoidal thread on the spindle ensure a carriage be aligned smoothly.

	Type	Column length mm	Adjustable track mm
Columns	SST 400 K	400	250
	SST 600 K	600	450
	SST 800 K	800	650

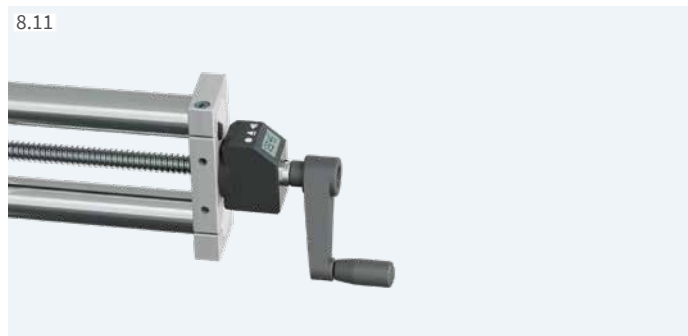
3 Adjusting disc

It allows item-specific inclination.

4 Angular gear

for easier adjustment of a labeling head. Assembly in steps of 90°. An EPOS / SST position indicator can be added.

8.11



EPOS / SST position indicator

It electronically indicates the spot of a label on an item. It can be aligned to an optimum readout position regardless of the installation orientation of a labeling head. Scope of delivery includes an adapter kit.

Display settings:

- Counting up / down
 - Reset display value
 - Offset value
- mm or Inch
 - absolute or incremental

Floor stands

ROXI IXOR 2⁺



8.12



8.13



■ Standard

1632 floor stand

As a mobile tool, it can be locked and set on-site by leveling feet.

Heights can be adapted. The carriage is fine-tuned using a crank on an angular gear.

		1632 floor stand
Leveling feet	adjustable by mm	± 15
Load	kg max.	50
Load at offset 300 mm	kg max.	25
Distance from lower margin of a label to the floor	mm	880 - 1,200
600 column		■
Column length	mm	600
Adjustable track	mm	395
Weight	kg approx.	40

1231 floor stand

It is primarily suggested when **applying labels from the side** and can be adapted in height and locked and set on-site by leveling feet.

		1231 floor stand
Leveling feet	adjustable by mm	± 15
Load	kg max.	50
Load at offset 300 mm	kg max.	20
Distance from lower margin of a label to the floor	mm	664 - 904
600 column		■
Column length	mm	600
Adjustable track	mm	395
Tie rod		■
Unit retainer adjustable by spindle		■
Dimension of adjustability	mm	135
Weight	kg approx.	40

Delivery program

ROXI IXOR 2+

Labeling heads

If order implies options been assembled to a labeling head, item numbers are added by .250.

ROXI 30

Labels provided to the left

Labels provided to the right

Pos.		Item no.	Designation	Item no.	Designation
1.1		6130760.xxx	ROXI 30 D310/62 L labeling head	6130765.xxx	ROXI 30 D310/62 R labeling head
1.2		6130120.xxx	ROXI 30 D310/124 L labeling head	6130125.xxx	ROXI 30 D310/124 R labeling head
1.3		6130180.xxx	ROXI 30 D310/186 L labeling head	6130185.xxx	ROXI 30 D310/186 R labeling head

IXOR 2+ 50

Pos.	V	Installation	H	Item no.	Designation	Item no.	Designation
2.1				6131609.xxx	IXOR 2+ 50 D310 H 62 L labeling head	6131610.xxx	IXOR 2+ 50 D310 H 62 R labeling head
				6131611.xxx	IXOR 2+ 50 D310 H 124 L labeling head	6131612.xxx	IXOR 2+ 50 D310 H 124 R labeling head
				6131613.xxx	IXOR 2+ 50 D310 H 186 L labeling head	6131614.xxx	IXOR 2+ 50 D310 H 186 R labeling head
				6131615.xxx	IXOR 2+ 50 D310 H 248 L labeling head	6131616.xxx	IXOR 2+ 50 D310 H 248 R labeling head
2.2				6131601.xxx	IXOR 2+ 50 D310 V 62 L labeling head	6131602.xxx	IXOR 2+ 50 D310 V 62 R labeling head
				6131603.xxx	IXOR 2+ 50 D310 V 124 L labeling head	6131604.xxx	IXOR 2+ 50 D310 V 124 R labeling head
				6131605.xxx	IXOR 2+ 50 D310 V 186 L labeling head	6131606.xxx	IXOR 2+ 50 D310 V 186 R labeling head
				6131607.xxx	IXOR 2+ 50 D310 V 248 L labeling head	6131608.xxx	IXOR 2+ 50 D310 V 248 R labeling head
2.3				6131625.xxx	IXOR 2+ 50 D410 H 62 L labeling head	6131626.xxx	IXOR 2+ 50 D410 H 62 R labeling head
				6131627.xxx	IXOR 2+ 50 D410 H 124 L labeling head	6131628.xxx	IXOR 2+ 50 D410 H 124 R labeling head
				6131629.xxx	IXOR 2+ 50 D410 H 186 L labeling head	6131630.xxx	IXOR 2+ 50 D410 H 186 R labeling head
				6131631.xxx*	IXOR 2+ 50 D410 H 248 L labeling head	6131632.xxx*	IXOR 2+ 50 D410 H 248 R labeling head
2.4				6131617.xxx	IXOR 2+ 50 D410 V 62 L labeling head	6131618.xxx	IXOR 2+ 50 D410 V 62 R labeling head
				6131619.xxx	IXOR 2+ 50 D410 V 124 L labeling head	6131620.xxx	IXOR 2+ 50 D410 V 124 R labeling head
				6131621.xxx	IXOR 2+ 50 D410 V 186 L labeling head	6131622.xxx	IXOR 2+ 50 D410 V 186 R labeling head
				6131623.xxx*	IXOR 2+ 50 D410 V 248 L labeling head	6131624.xxx*	IXOR 2+ 50 D410 V 248 R labeling head

* Applications including material widths from 200 mm to 248 mm and roll diameters as large as 410 mm recommend a motoric rewinder. Labeling with a mechanical rewinder requires customer material been tested in advance.

ROXI, IXOR 2+ labeling head type code index		50	D410	V	124	L	
Label web speed	max. 30 m/min max. 50 m/min						L to the left R to the right
Roll unwinder	310 mm 410 mm						Roll width
							Installation

Scope of delivery	
ROXI labeling head	IXOR 2+ labeling head
E+F power cable, 1.8 m	Knowledge Base
Knowledge Base	

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

Provided online	
	Assembly instructions DE / EN / FR
	Configuration manuals DE / EN / FR
	Service manuals DE / EN
	Spare parts lists DE / EN
Programming manual EN	
https://setup.cab.de/en	

Options

ROXI IXOR 2+

Pos.		Item no.	Designation
5.1		5908002.xxx	UR D60/62 deflection roller
		5907996.xxx	UR D60/124 deflection roller
		5907995.xxx	UR D60/186 deflection roller
		5908063.xxx	UR D60/248 deflection roller
5.2		6130629.xxx	FR D60 guide

Options

IXOR 2+

Pos.		Item no.	Designation
5.5		6131378.xxx	LBA 124 deflective guide plate
		6131352.xxx	LBA 186 deflective guide plate
		2 x LBA 124	LBA 248 deflective guide plate
5.6		5971229.xxx	TWA 124 transport roller
		5971325.xxx	TWA 186 transport roller
		5971323.xxx	TWA 248 transport roller

Wear parts

ROXI IXOR 2+

Pos.		Item no.	Designation
5.4		6130354.xxx	TW 124 transport roller
		6130356.xxx	TW 186 transport roller
		6131288.xxx	TW 248 transport roller
5.6		5971229.xxx	TWA 124 transport roller
		5971325.xxx	TWA 186 transport roller
		5971323.xxx	TWA 248 transport roller

Delivery program

IXOR 2+

Labeling heads

If order implies options been assembled to a labeling head, item numbers are added by .250.

IXOR 2+ 75

Labels provided to the left

Labels provided to the right

Pos.	Installation V	H	Item no.	Designation	Item no.	Designation
2.5			6131641.xxx	IXOR 2+ 75 D410 H 62 L labeling head	6131642.xxx	IXOR 2+ 75 D410 H 62 R labeling head
			6131643.xxx	IXOR 2+ 75 D410 H 124 L labeling head	6131644.xxx	IXOR 2+ 75 D410 H 124 R labeling head
			6131645.xxx	IXOR 2+ 75 D410 H 186 L labeling head	6131646.xxx	IXOR 2+ 75 D410 H 186 R labeling head
			6131647.xxx	IXOR 2+ 75 D410 H 248 L labeling head	6131648.xxx	IXOR 2+ 75 D410 H 248 R labeling head
2.6			6131633.xxx	IXOR 2+ 75 D410 V 62 L labeling head	6131634.xxx	IXOR 2+ 75 D410 V 62 R labeling head
			6131635.xxx	IXOR 2+ 75 D410 V 124 L labeling head	6131636.xxx	IXOR 2+ 75 D410 V 124 R labeling head
			6131637.xxx	IXOR 2+ 75 D410 V 186 L labeling head	6131638.xxx	IXOR 2+ 75 D410 V 186 R labeling head
			6131639.xxx	IXOR 2+ 75 D410 V 248 L labeling head	6131640.xxx	IXOR 2+ 75 D410 V 248 R labeling head

IXOR 2+ 120

Pos.	Installation V	H	Item no.	Designation	Item no.	Designation
2.7			6131657.xxx	IXOR 2+ 120 D410 H 62 L labeling head	6131658.xxx	IXOR 2+ 120 D410 H 62 R labeling head
			6131659.xxx	IXOR 2+ 120 D410 H 124 L labeling head	6131660.xxx	IXOR 2+ 120 D410 H 124 R labeling head
			6131661.xxx	IXOR 2+ 120 D410 H 186 L labeling head	6131662.xxx	IXOR 2+ 120 D410 H 186 R labeling head
			6131663.xxx	IXOR 2+ 120 D410 H 248 L labeling head	6131664.xxx	IXOR 2+ 120 D410 H 248 R labeling head
2.8			6131649.xxx	IXOR 2+ 120 D410 V 62 L labeling head	6131650.xxx	IXOR 2+ 120 D410 V 62 R labeling head
			6131651.xxx	IXOR 2+ 120 D410 V 124 L labeling head	6131652.xxx	IXOR 2+ 120 D410 V 124 R labeling head
			6131653.xxx	IXOR 2+ 120 D410 V 186 L labeling head	6131654.xxx	IXOR 2+ 120 D410 V 186 R labeling head
			6131655.xxx	IXOR 2+ 120 D410 V 248 L labeling head	6131656.xxx	IXOR 2+ 120 D410 V 248 R labeling head

IXOR 2+ labeling head type code index			75	D410	V	124	L		
Label web speed	max. 75 m/min							L to the left	Labels provided
	max. 120 m/min							R to the right	
Roll unwinder	410 mm							62 mm	Roll width
								124 mm	
								186 mm	
								248 mm	
					horizontal				
							vertical		

Scope of delivery

IXOR 2+ labeling head
Knowledge Base

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

Provided online



Assembly instructions DE / EN / FR
Configuration manuals DE / EN / FR
Service manuals DE / EN
Spare parts lists DE / EN
Programming manual EN

<https://setup.cab.de/en>



See current data also on the Internet:
www.cab.de/en/labeling-heads

Delivery program

IXOR 2+

Labeling heads as components

If order implies components of a labeling head been assembled ex factory, item numbers are added by .250. In cases of separate delivery, .001 is added.

IXOR 2+ 50 base units

Labels provided to the left

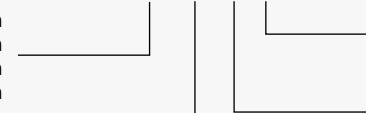
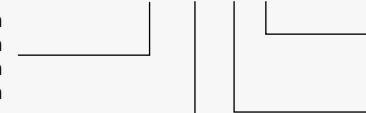
Labels provided to the right

Pos.		Item no.	Designation	Item no.	Designation
3.1		6131801.xxx	IXOR 2+ 62 L base unit	6131802.xxx	IXOR 2+ 62 R base unit
3.2		6131803.xxx	IXOR 2+ 124 L base unit	6131804.xxx	IXOR 2+ 124 R base unit
3.3		6131805.xxx	IXOR 2+ 186 L base unit	6131806.xxx	IXOR 2+ 186 R base unit
3.4		6131807.xxx	IXOR 2+ 248 L base unit	6131808.xxx	IXOR 2+ 248 R base unit

Mechanical unwinders / rewinders

Pos.	Installation		Item no.	Designation	Item no.	Designation
	V	H				
3.5			5983326.xxx	D310 H 62 L unwinder	5983327.xxx	D310 H 62 R unwinder
			5983300.xxx	D310 H 124 L unwinder	5983301.xxx	D310 H 124 R unwinder
			5983302.xxx	D310 H 186 L unwinder	5983303.xxx	D310 H 186 R unwinder
			5983304.xxx	D310 H 248 L unwinder	5983305.xxx	D310 H 248 R unwinder
			6122000.xxx	D310 V 62 L unwinder	6122001.xxx	D310 V 62 R unwinder
			5983312.xxx	D310 V 124 L unwinder	5983313.xxx	D310 V 124 R unwinder
			5983314.xxx	D310 V 186 L unwinder	5983315.xxx	D310 V 186 R unwinder
			5983316.xxx	D310 V 248 L unwinder	5983317.xxx	D310 V 248 R unwinder
3.7			6122030.xxx	D210/62 L rewinder	6122031.xxx	D210/62 R rewinder
			6122034.xxx	D210/124 L rewinder	6122035.xxx	D210/124 R rewinder
			6122038.xxx	D210/186 L rewinder	6122039.xxx	D210/186 R rewinder
			6122042.xxx	D210/248 L rewinder	6122043.xxx	D210/248 R rewinder
3.6			5983328.xxx	D410 H 62 L unwinder	5983329.xxx	D410 H 62 R unwinder
			5983306.xxx	D410 H 124 L unwinder	5983307.xxx	D410 H 124 R unwinder
			5983308.xxx	D410 H 186 L unwinder	5983309.xxx	D410 H 186 R unwinder
			5983310.xxx	D410 H 248 L unwinder	5983311.xxx	D410 H 248 R unwinder
			6122002.xxx	D410 V 62 L unwinder	6122003.xxx	D410 V 62 R unwinder
			5983318.xxx	D410 V 124 L unwinder	5983319.xxx	D410 V 124 R unwinder
			5983320.xxx	D410 V 186 L unwinder	5983321.xxx	D410 V 186 R unwinder
			5983322.xxx	D410 V 248 L unwinder	5983323.xxx	D410 V 248 R unwinder
3.8			6122032.xxx	D290/62 L rewinder	6122033.xxx	D290/62 R rewinder
			6122036.xxx	D290/124 L rewinder	6122037.xxx	D290/124 R rewinder
			6122040.xxx	D290/186 L rewinder	6122041.xxx	D290/186 R rewinder
			6122044.xxx	D290/248 L* rewinder	6122045.xxx	D290/248 R* rewinder

* Applications including material widths from 200 mm to 248 mm and roll diameters as large as 410 mm recommend a motoric rewinder. Labeling with a mechanical rewinder requires customer material been tested in advance.

Unwinder / rewinder type code index		D410 H 124 L	
Roll unwinder	310 mm		L to the left
	410 mm		R to the right
Roll rewinder	210 mm		
	290 mm		
Installation	vertical V		Roll width
Roll unwinder	horizontal H		
			62 mm
			124 mm
			186 mm
			248 mm

Accessories for mechanical unwinders

Pos.	Item no.	Designation
3.13	5983324.xxx	Counterholder 310 mm
	5983325.xxx	Counterholder 410 mm
7.17	5918757.001	Extending SYNC cable M12, 5 pins, a-coded, 0.5 m

Final assembly, setup and system testing

Pos.	Item no.	Designation
3.18	6129050	IXOR 2+ 50 final assembly, setup
	6129100	System testing with customer labels

Delivery program

IXOR 2+

Labeling heads as components

If order implies components of a labeling head been assembled ex factory, item numbers are added by .250. In cases of separate delivery, .001 is added.

IXOR 2+ 75 / 120 base units

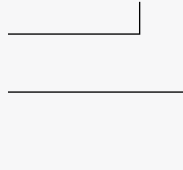
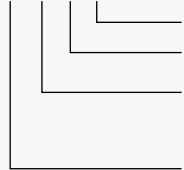
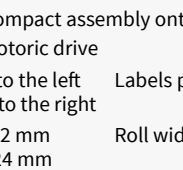
Labels provided to the left

Labels provided to the right

Pos.		Item no.	Designation	Item no.	Designation
3.9		6131811.xxx	IXOR 2+ 62 L M base unit	6131812.xxx	IXOR 2+ 62 R M base unit
3.10		6131813.xxx	IXOR 2+ 124 L M base unit	6131814.xxx	IXOR 2+ 124 R M base unit
3.11		6131815.xxx	IXOR 2+ 186 L M base unit	6131816.xxx	IXOR 2+ 186 R M base unit
3.12		6131817.xxx	IXOR 2+ 248 L M base unit	6131818.xxx	IXOR 2+ 248 R M base unit

Motoric unwinders / rewinders for installation directly on a base unit or a plate

Pos.	Installation		Item no.	Designation	Item no.	Designation
	V	H				
3.11			6131841.xxx	D410 H 62 L M K unwinder	6131842.xxx	D410 H 62 R M K unwinder
			6131843.xxx	D410 H 124 L M K unwinder	6131844.xxx	D410 H 124 R M K unwinder
			6131845.xxx	D410 H 186 L M K unwinder	6131846.xxx	D410 H 186 R M K unwinder
			6131847.xxx	D410 H 248 L M K unwinder	6131848.xxx	D410 H 248 R M K unwinder
			6131831.xxx	D410 V 62 L M K unwinder	6131832.xxx	Abwickler D410 V 62 R M K unwinder
			6131833.xxx	D410 V 124 L M K unwinder	6131834.xxx	D410 V 124 R M K unwinder
			6131835.xxx	D410 V 186 L M K unwinder	6131836.xxx	D410 V 186 R M K unwinder
			6131837.xxx	D410 V 248 L M K unwinder	6131838.xxx	D410 V 248 R M K unwinder
3.12			6131851.xxx	D310/62 L M K rewriter	6131852.xxx	D310/62 R M K rewriter
			6131853.xxx	D310/124 L M K rewriter	6131854.xxx	D310/124 R M K rewriter
			6131855.xxx	D310/186 L M K rewriter	6131856.xxx	D310/186 R M K rewriter
			6131857.xxx	D310/248 L M K rewriter	6131858.xxx	D310/248 R M K rewriter

Unwinder / rewriter type code index		D410 H 124 L M K			
Roll unwinder	410 mm				Compact assembly onto a base unit
Roll rewriter	310 mm				Motoric drive
Installation	vertical V				L to the left Labels provided
Roll unwinder	horizontal H				R to the right
					62 mm Roll width
					124 mm
					186 mm
					248 mm

Accessories for motoric unwinders / rewinders

Pos.		Item no.	Designation
3.13		5983325.xxx	Counterholder 410 mm
3.17		5918944.001	Connecting PowerBus cable M12, 4 pins, 0.3 m
		5918879.001	Connecting PowerBus cable M12, 4 pins, 0.8 m
		5918426.001	Connecting PowerBus cable M12, 4 pins, 2.5 m

Installation on customer-specific plates

Pos.		Item no.	Designation
3.15		6127290.xxx	D30 AL 62 deflection roller
		6127291.xxx	D30 AL 124 deflection roller
		6127292.xxx	D30 AL 186 deflection roller
		6127293.xxx	D30 AL 248 deflection roller
		6127295.xxx	D38 AL 62 deflection roller
		6127296.xxx	D38 AL 124 deflection roller
		6127297.xxx	D38 AL 186 deflection roller
		6127298.xxx	D38 AL 248 deflection roller
		6127311.xxx	D60 AL 62 deflection roller
		6127312.xxx	D60 AL 124 deflection roller
		6127313.xxx	D60 AL 186 deflection roller
		6127314.xxx	D60 AL 248 deflection roller
3.20		6127288.001	Distance bolt for deflection roller

Final assembly, setup and system testing

Pos.	Item no.	Designation
	6129075	IXOR 2+ 75 final assembly, setup
	6129120	IXOR 2+ 120 final assembly, setup
	6129100	System testing with customer labels

Delivery program

ROXI IXOR 2+

Demand units

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

Dispenser heads

Labels provided to the left

Pos.	Item no.	Designation
6.1	6131500.xxx	SK/ARS 100/62L dispenser head
	6131501.xxx	SK/ARS 100/124L dispenser head
	6131502.xxx	SK/ARS 100/186L dispenser head
	6131503.xxx	SK/ARS 100/248L dispenser head
	6131504.xxx	SK/ARS 160/62L dispenser head
	6131505.xxx	SK/ARS 160/124L dispenser head
	6131506.xxx	SK/ARS 160/186L dispenser head
	6131507.xxx	SK/ARS 160/248L dispenser head
6.2	6131516.xxx	SK/AB 100/62L dispenser head
	6131517.xxx	SK/AB 100/124L dispenser head
	6131518.xxx	SK/AB 100/186L dispenser head
	6131519.xxx	SK/AB 100/248L dispenser head
	6131520.xxx	SK/AB 160/62L dispenser head
	6131521.xxx	SK/AB 160/124L dispenser head
	6131522.xxx	SK/AB 160/186L dispenser head
	6131523.xxx	SK/AB 160/248L dispenser head
6.3	6131532.xxx	SKE/ARS 100/62L dispenser head
	6131533.xxx	SKE/ARS 100/124L dispenser head
	6131534.xxx	SKE/ARS 100/186L dispenser head
	6131535.xxx	SKE/ARS 100/248L dispenser head
6.4	6131540.xxx	SKE/AB 100/62L dispenser head
	6131541.xxx	SKE/AB 100/124L dispenser head
	6131542.xxx	SKE/AB 100/186L dispenser head
	6131543.xxx	SKE/AB 100/248L dispenser head
6.5	6131548.xxx	SKF/ARS 100/62L dispenser head
	6131549.xxx	SKF/ARS 100/124L dispenser head
	6131550.xxx	SKF/ARS 100/186L dispenser head
	6131551.xxx	SKF/ARS 100/248L dispenser head
6.6	6131556.xxx	SKP/ARS 100/62L dispenser head
	6131557.xxx	SKP/ARS 100/124L dispenser head
	6131558.xxx	SKP/ARS 100/186L dispenser head
	6131559.xxx	SKP/ARS 100/248L dispenser head
6.7	6131564.xxx	ARP/ARS 100/62L dispenser head
	6131565.xxx	ARP/ARS 100/124L dispenser head
	6131566.xxx	ARP/ARS 100/186L dispenser head
	6131567.xxx	ARP/ARS 100/248L dispenser head

Labels provided to the right

Pos.	Item no.	Designation
6.1	6131508.xxx	SK/ARS 100/62R dispenser head
	6131509.xxx	SK/ARS 100/124R dispenser head
	6131510.xxx	SK/ARS 100/186R dispenser head
	6131511.xxx	SK/ARS 100/248R dispenser head
	6131512.xxx	SK/ARS 160/62R dispenser head
	6131513.xxx	SK/ARS 160/124R dispenser head
	6131514.xxx	SK/ARS 160/186R dispenser head
	6131515.xxx	SK/ARS 160/248R dispenser head
6.2	6131524.xxx	SK/AB 100/62R dispenser head
	6131525.xxx	SK/AB 100/124R dispenser head
	6131526.xxx	SK/AB 100/186R dispenser head
	6131527.xxx	SK/AB 100/248R dispenser head
	6131528.xxx	SK/AB 160/62R dispenser head
	6131529.xxx	SK/AB 160/124R dispenser head
	6131530.xxx	SK/AB 160/186R dispenser head
	6131531.xxx	SK/AB 160/248R dispenser head
6.3	6131536.xxx	SKE/ARS 100/62R dispenser head
	6131537.xxx	SKE/ARS 100/124R dispenser head
	6131538.xxx	SKE/ARS 100/186R dispenser head
	6131539.xxx	SKE/ARS 100/248R dispenser head
6.4	6131544.xxx	SKE/AB 100/62R dispenser head
	6131545.xxx	SKE/AB 100/124R dispenser head
	6131546.xxx	SKE/AB 100/186R dispenser head
	6131547.xxx	SKE/AB 100/248R dispenser head
6.5	6131552.xxx	SKF/ARS 100/62R dispenser head
	6131553.xxx	SKF/ARS 100/124R dispenser head
	6131554.xxx	SKF/ARS 100/186R dispenser head
	6131555.xxx	SKF/ARS 100/248R dispenser head
6.6	6131560.xxx	SKP/ARS 100/62R dispenser head
	6131561.xxx	SKP/ARS 100/124R dispenser head
	6131562.xxx	SKP/ARS 100/186R dispenser head
	6131563.xxx	SKP/ARS 100/248R dispenser head
6.7	6131568.xxx	ARP/ARS 100/62R dispenser head
	6131569.xxx	ARP/ARS 100/124R dispenser head
	6131570.xxx	ARP/ARS 100/186R dispenser head
	6131571.xxx	ARP/ARS 100/248R dispenser head

Mounting rods, cross-section profiles

Pos.	Item no.	Designation
6.15	6120069.xxx	MS 25 mounting rod
	5972418.xxx	MS 100 mounting rod
	5972419.xxx	MS 200 mounting rod
	5972420.xxx	MS 300 mounting rod
	6120067.xxx	MS 400 mounting rod
	6131423.xxx	MS 450 mounting rod
6.16	6130520.xxx	QP 186 cross-section profile
	6130521.xxx	QP 248 cross-section profile
	6131443.xxx	QP 310 cross-section profile

Label sensors

Pos.	Item no.	Designation
6.17	5983588.xxx	CEON label sensor
6.18	5983437.001	CEON probe
6.19	6130600.xxx	CEON 30 retainer bar, stop included
	6130601.xxx	CEON 60 retainer bar, stop included
	6130602.xxx	CEON 90 retainer bar, stop included
6.20	6130582.xxx	CEON stop
6.21	6130452.xxx	GAB 500-1 forked light barrier
6.22	5918670.xxx	GAB 500-2 forked light barrier
6.23	6130690.xxx	500-2/124 retainer
	6130704.xxx	500-2/186 retainer
	6131414.xxx	500-2/248 retainer

Delivery program

ROXI IXOR 2+

Dispenser heads as components Accessories

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

Demand modules

Labels provided to the left

Pos.		Item no.	Designation
6.8		6130656.xxx	SP 100/62 L demand module
		6130657.xxx	SP 100/124 L demand module
		6130658.xxx	SP 100/186 L demand module
		6131420.xxx	SP 100/248 L demand module
		6130650.xxx	SP 160/62 L demand module
		6130651.xxx	SP 160/124 L demand module
		6130652.xxx	SP 160/186 L demand module
		6131432.xxx	SP 160/248 L demand module
6.9		6130662.xxx	SPE 100/62 L demand module
		6130663.xxx	SPE 100/124 L demand module
		6130664.xxx	SPE 100/186 L demand module
		6131440.xxx	SPE 100/248 L demand module

Labels provided to the right

Pos.		Item no.	Designation
6.8		6130659.xxx	SP 100/62 R demand module
		6130660.xxx	SP 100/124 R demand module
		6130661.xxx	SP 100/186 R demand module
		6131425.xxx	SP 100/248 R demand module
		6130653.xxx	SP 160/62 R demand module
		6130654.xxx	SP 160/124 R demand module
		6130655.xxx	SP 160/186 R demand module
		6131433.xxx	SP 160/248 R demand module
6.9		6130665.xxx	SPE 100/62 R demand module
		6130666.xxx	SPE 100/124 R demand module
		6130667.xxx	SPE 100/186 R demand module
		6131441.xxx	SPE 100/248 R demand module

Carriages, wipe-down rollers / brushes

Pos.		Item no.	Designation
6.10		6130648.xxx	AL carriage
		6130649.xxx	AR carriage
6.11		6130620.xxx	ARS 41 wipe-down roller
		6130621.xxx	ARS 62 wipe-down roller
		6130622.xxx	ARS 124 wipe-down roller
		6130623.xxx	ARS 186 wipe-down roller
		6131426.xxx	ARS 248 wipe-down roller
6.12		6130460.xxx	AR 62 wipe-down roller
		6130461.xxx	AR 124 wipe-down roller
		6130462.xxx	AR 186 wipe-down roller
6.13		6130616.xxx	B carriage
6.14		6130463.xxx	AB 62 wipe-down brush
		6130464.xxx	AB 124 wipe-down brush
		6130551.xxx	AB 186 wipe-down brush
		6131424.xxx	AB 248 wipe-down brush

Wear parts

Pos.		Item no.	Designation	PU
6.24		6127895.001	62 wipe-down roller	
		6127896.001	124 wipe-down roller	
		6127897.001	186 wipe-down roller	
6.25		6127710.136	S 20 wipe-down roller	6
		6127710.130	S 20 wipe-down roller	100
6.26		6130572.001	62 wipe-down brush	
		6130580.001	124 wipe-down brush	
		6130573.001	186 wipe-down brush	
6.18		5983437.001	CEON probe	

Accessories

Pos.		Item no.	Designation
7.1		5918702.001	Product sensor
7.2		5918671.001	Product sensor cable M12-M8, 4 pins, a-coded, 2.5 m
7.3		5918979	Rotary encoder Connecting cable 2.5 m included
7.4		5918981	Friction wheel
7.5		5918980	Retainer

Accessories

Pos.		Item no.	Designation
7.6		6010186	External operation panel
7.7		5907718.001	ROXI: connecting USB cable 1.8 m
		5907730.001	ROXI: connecting USB cable 3 m
		5907750.001	ROXI: connecting USB cable 5 m
		5551007.001	IXOR 2+: connecting APPLY cable 6 m
7.8		6010560	Warning light Connecting USB cable 1 m included

Delivery program

ROXI IXOR 2+

Cables and plugs Assembly assistants

If order implies components of assembly assistants been assembled ex factory, item numbers are added by .250. In cases of separate delivery, .001 is added.

Plugs

Pos.		Item no.	Designation
7.9		5918479.001	Cable plug M12, 5 pins, a-coded, male
7.10		5918480.001	Cable jack M12, 5 pins, a-coded, female
7.11		5918797.001	Distributor for product sensor M12, 5 pins, a-coded 1 x female -> 2 x male
7.12		5918485.001	Distributor for rotary encoder M12, 5 pins, a-coded 1 x male -> 2 x female
7.13		5918732.001	RJ45 Ethernet adapter

Cables

Pos.		Item no.	Designation
7.14		5918948.001	I/O cable, wire-end-ferruled M12, 17 pins, 5 m
7.15		5918421.001	Extending I/O cable M12, 17 pins, 2.5 m
		5918941.001	Extending I/O cable M12, 17 pins, 10 m
7.17		5918757.001	Extending SYNC cable M12, 5 pins, a-coded, 0.5 m
		5918475.001	Extending SYNC cable M12, 5 pins, a-coded, 2.5 m
		5918942.001	Extending SYNC cable M12, 5 pins, a-coded, 10 m

IXOR 2+

Pos.		Item no.	Designation
7.18		5918936.001	APPLY cable for USB host M12, 12 pins, 0.2 m
7.19		5918758.001	Power cable, wire-end-ferruled, 2.5 m
		5918947.001	Power cable, wire-end-ferruled, 5 m
		5918943.001	Power cable, wire-end-ferruled, 10 m
7.20		5918531.001	Power cable, plugged E+F, 2.5 m
7.21		5919878.001	Ethernet cable M12, 4 pins, d-coded on RJ45, 0.5 m
		5918665.001	Ethernet cable M12, 4 pins, d-coded on RJ45, 2.5 m
		5918946.001	Ethernet cable M12, 4 pins, d-coded on RJ45, 5 m
		5918945.001	Ethernet cable M12, 4 pins, d-coded on RJ45, 10 m

ROXI

Pos.		Item no.	Designation
7.22		5918007.001	RJ45 Ethernet cable, 0.5 m 2 port Ethernet switch to ROXI

Unit retainers

Pos.		Item no.	Designation
8.1		6130411.001	Tie rod
8.2		6130737.001	GHF 124 unit retainer
		6130754.001	GHF 186 unit retainer
		6131573.001	GHF 248 unit retainer
8.3		6130741.001	GHV 100/124 unit retainer
		6130756.001	GHV 100/186 unit retainer
		6131575.001	GHV 100/248 unit retainer
8.4		6130744.001	GHV 200/124 unit retainer
		6130758.001	GHV 200/186 unit retainer
		6131577.001	GHV 200/248 unit retainer
8.5		6130747.xxx	GHS 150/124 unit retainer
		6130762.xxx	GHS 150/186 unit retainer
		6131579.xxx	GHS 150/248 unit retainer

Columns

Pos.		Item no.	Designation
8.6		6131108.xxx	SST 400 K column
		6131106.xxx	SST 600 K column
		6131260.xxx	SST 800 K column
8.7		6131265.001	Adjusting disc
8.8		6131337.001	TP 124 K carrier plate
		6131339.001	TP 186 K carrier plate
		6131582.001	TP 248 K carrier plate
8.9		6131102.001	Angular gear

Position indicators

Pos.		Item no.	Designation
8.10		6131584.xxx	EPOS / GHS position indicator
8.11		6131585.xxx	EPOS / SST position indicator

Floor stands

Pos.		Item no.	Designation
8.12		5983425	1632 floor stand SST 600 column included
8.13		5983426	1231 floor stand

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



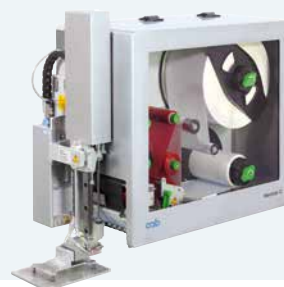
Label printers
XC Q two-colored



Print and apply systems
HERMES Q



Print and apply systems
Hermes C two-colored



Tube labeling systems
AXON 1



Print modules
PX Q, PX QS



Labels and ribbons



Label software
cablabel S3



Label dispensers
HS, VS



Labeling heads
ROXI, IXOR2+



Marking lasers
XENO 4



Laser marking systems



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