LabelEx 3.0

Label applicator

An automated machine that quickly and flexible places labels on pallets
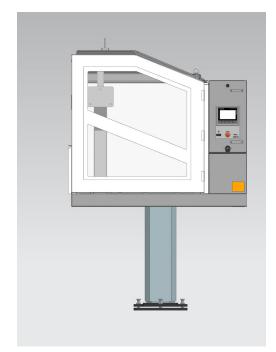
www.tronrud.no

- ✓ NEEDS ONLY ELECTRICAL CONNECTION
- ✓ ELECTRICAL HIGHT ADJUSTMENT
- ✓ INTERGRATED BARCODE SCANNER
- ✓ EASY ACCESS TO PRINTER AND LABEL ROLL
- ✓ EASY PLACEMENT
- ✓ ACCESS FROM ONE SIDE

- ✓ FAST AND ACCURATE
- ✓ APPLICATION OF LABLE ON 3 SIDES OF PALLET
- ✓ 10 SEC/LABEL
- ✓ ALARM FOR MALFUNCTIONS
- ✓ Ø400MM LABEL ROLL CAPACITY
- ✓ EASY CONNECTION TO EXTERNAL SYSTEMS

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TRONRUD ENGINEERING

LabelEx 3.0
Specifications

Siemens PLC S7-1200 CPU 1214C

Siemens HMI KTP 400 Basic Touch 4,3"

Connection to external systems by Ethernet

IIoT ready connection to Innius® Predicitve Maintenance/OEE logging

Sensor to show label arm in home position when labeller is inactive

Adapted to UL standard and CE approved

Standard integration for Sato and Zebra printers

85-264 VAC 50/60Hz16A plugged connection

Current consumption 4A

+5-35*C 20-80% RH Non condensing environment

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LabelEx255 is delivered with

✓ **Sato Left hand (LH) (European standard) or**
✓ **Zebra right hand (RH).**

Be ware of that the Zebra compared to Sato printer has a different approach to left and right in Europe compared to America.
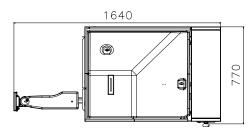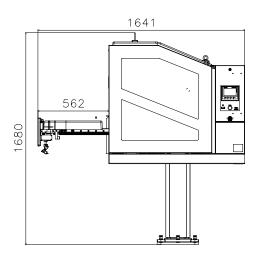
LabelEx 3.0
Printers

Sato

Media feed direction
Americas: Standard/Right Hand
Europe/Asia: Left Hand

Media feed direction
Americas: Opposite/Left Hand
Europe/Asia: Right Hand

Zebra

The ZE500 print engines are available in a right-hand configuration (the print mechanism is on the right) and a left-hand configuration (the print mechanism is on the left).

Figure 1 • Left-Hand (LH) Print Engine

Figure 2 • Right-Hand (RH) Print Engine

LabelEx 3.0 can be delivered as
- ✓ **Standard stroke version**
- ✓ **Long stroke version**
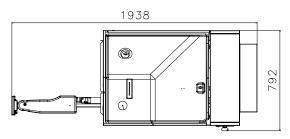
LabelEx 3.0
Stroke

Standard stroke

1640

770

1641

562

1680

Long stroke

1938

792

1938

722

1680

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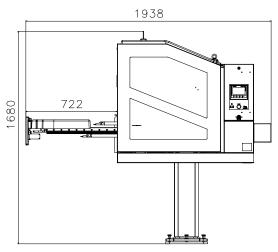
LabelEx 3.0 is delivered with

✓ Linak linear cylinder LP2-5.2
✓ Standard I=670mm/Stroke=500mm or
✓ Custom

LabelEx 3.0
Cylinder

LP2 is available in the following dimentions:

Type (Actuator type inside LP2)	Push max. (N)	Push max. with spring (N)	Typical speed at 0/full load (mm/s)	Typical amp. at 0/full load (24V)	Buildt -in "I" Stroke length "S" (mm)					Profile No.	Max bending moment* (static values) Mx (Nm)	 My (Nm)
LP2-5.2	3600	4300	6/5	1/4.5	I	405	505	630	670	4-5	1600	1000
					S	200/200G	300/300G	425/425G	500/500G			

Standard cylinder:
LP 2

Power max. 3600 N

Stroke: 500 mm

Built in: 670 mm

Color: Aluminium

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LabelEx 3.0 can be delivered with
✓ **Cooling system**
✓ **Heating system**

LabelEx 3.0
Options

OPTIONS FOR HEATING AND COOLING SYSTEMS

Cooling system for sites with high ambient temerature.
Heating system for places with low ambient temerature.

LableEx 3.0 is equipped with a door in front of pad that is open or closed and a bottom plate in the machine.
Reduces dust into machine.

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TRONRUD ENGINEERING

LabelEx 3.0 other options

LabelEx 3.0
Options

- High light colon
- Frame, electric cabinet, machine cover AISI304
- External UPS for 1500 VA mounted outside machine
- Emergency Stop Switch Profinett depends on use of it
- Other programming
- Separate "Arm Home Switch"
- Long Stroke (726 mm) (Standard stroke is 592 mm)
- Different foot column (Linak)
- Longer foot than 1.285 mm (Mechanical built)
- Extra siren for empty label roll - signal from Sato printer
- Extra siren for almost empty label roll - signal from sensor

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TRONRUD ENGINEERING

Note:
If narrow space around the
machine, the doors can be
easily removed as they are
equipped with lift off hinges.

Electrical
cabinet

SCALE 1:20

Recomended clearence
between bar code scanner
and conveyer: 50mm

Recommended minimum distance between
two pallets on the same conveyor are
420mm (assuming placement of label
50mm from edge).

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