



## LABELING SYSTEMS – **PRINTING & APPLICATION OF LABELS**

LA7000 label applicator and PA7100 print & apply labeler



simple



competent



reliable

# LABELING SYSTEMS

## Printing and applying labels with the PA7100

### TOUCH PRO

#### Windows 10 Touch IPC including software package

- ✓ Flexible solution for operation and adjustment of your Diagraph labeler
- ✓ Industrial-strength and robust design
- ✓ Easy operation of the Touch IPC thanks to bright 10.2 inch TFT color display
- ✓ Multilingual menu navigation with colored icons
- ✓ Control multiple printing systems in network
- ✓ Label design using a:design2 and any Windows software (e.g. NiceLabel)

#### Touch Pro



Are you looking for fully automatic application of labels to your products? Then our labeling systems are exactly what you need. Whether its application of pre-printed labels or maybe you want flexible printing and application of blank labels at the line. Both are possible.

### PA7100 print & apply labeler

The PA7100 is a print & apply labeler that reliably prints labels and applies them to your product in a single work step. With a large range of different applicators, it is possible to apply labels to one side, two sides, or even around edges. The PA7100 is driven by an electric servo motor, which enables reliable and extremely precise labeling. All settings are made via the integrated touchscreen interface.

### Print modules

The PA7100 can be fitted with print engines from Sato (84ex or 86ex) or Zebra (Z500). The print engines are controlled via PC or the Touch Pro Controller.



### Thermal transfer ribbons

Diagraph thermal transfer ribbons produce first-class prints with high scratch resistance and durability. They produce perfect print images, even with high-speed printing, and they protect and extend the life of the printhead.



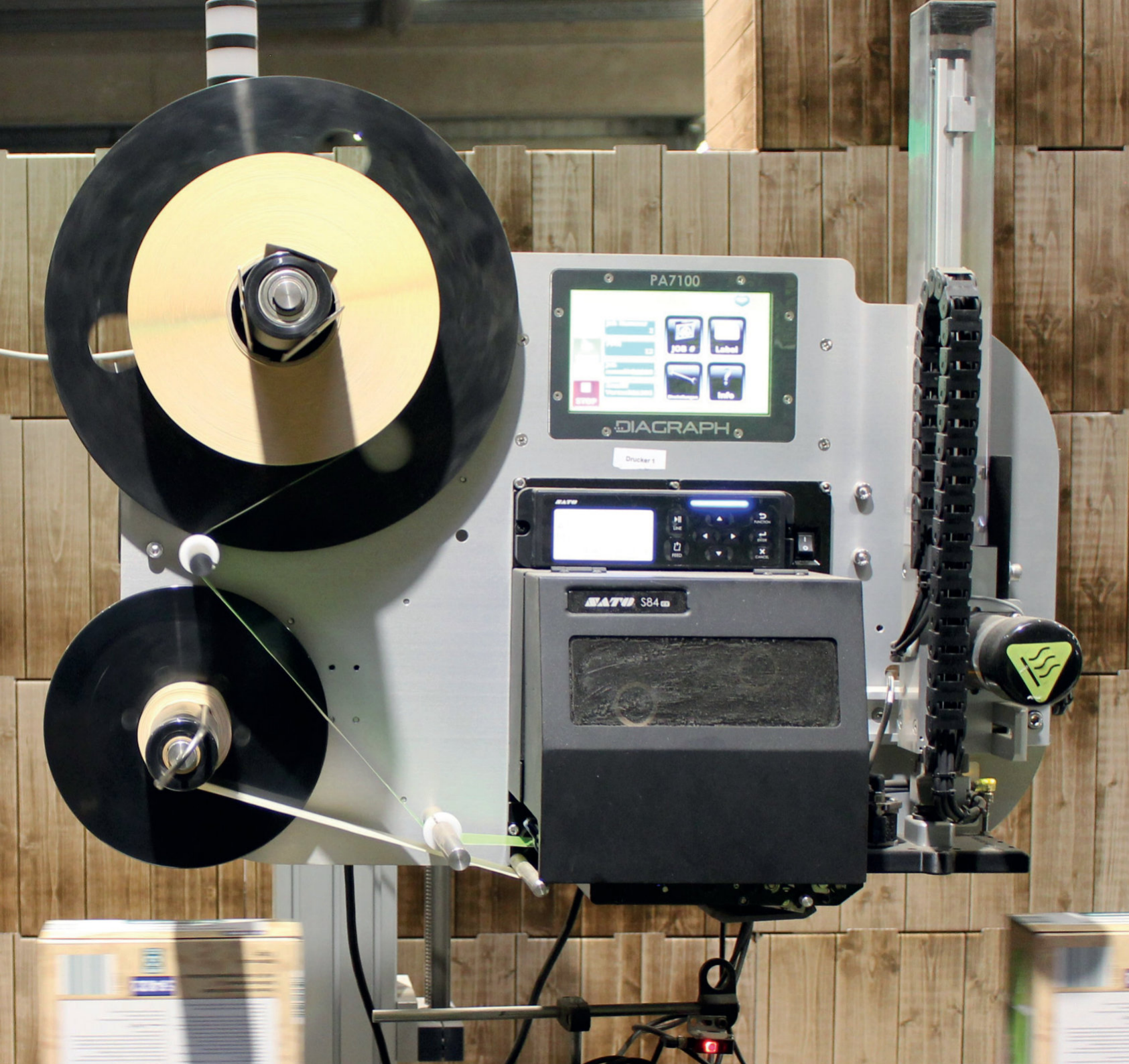
### Dispenser modules

Depending on your requirements, you can fit different dispenser modules to the LA7100. You can find an overview of our dispenser modules on page 6.

### Product benefits

- ✓ Fully electric
- ✓ 25% energy saving compared to pneumatic labelers
- ✓ Sensors monitor the dispensing operation
- ✓ Different label sizes possible
- ✓ Save settings for different products
- ✓ Different dispensing applicators available
- ✓ Choose between Sato and Zebra print engines
- ✓ Driven by servo motors
- ✓ Various print modes – Print-on-demand up to high speed





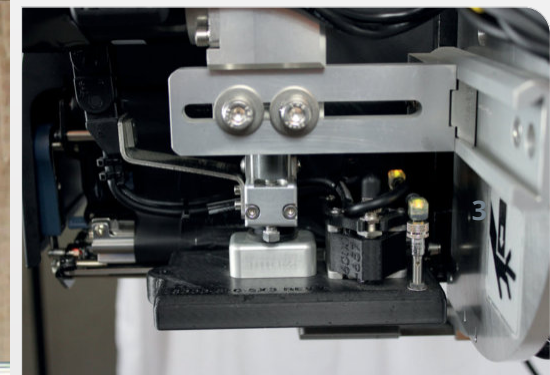
### FULLY ELECTRIC, NO COMPRESSED AIR REQUIRED

All Diagraph labelers work without compressed air. All movements are driven by precise servo motors. This saves up to 25% energy costs and enables high-speed dispensing.



### CONTROL VIA TOUCHSCREEN

All dispensing settings are made via user-friendly display.



### SENSOR-CONTROLLED

Multiple sensors monitor the dispensing operation so that labels are applied reliably and precisely.



# LABELING SYSTEMS

## LA7000 label applicator

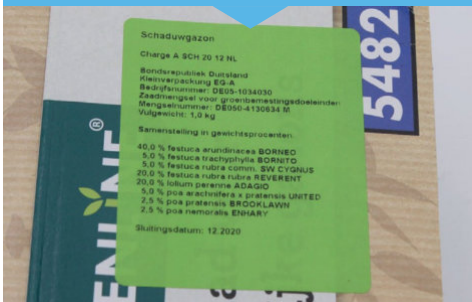
### CUSTOMER FEEDBACK



This was the only machine for us, we are highly satisfied with the Diagraph labeling systems.

*Dieter Dörken, Head of Small Packaging at Feldsaaten Freudenberger in Krefeld*

### Case: Feldsaaten labels



### LA7000 label applicator

The LA7000 is a label applicator that reliably applies pre-printed labels to your product. With a large range of different applicators, it is possible to apply labels to one side, two sides, or even around edges. The servo motors that drive the applicators ensure reliable and repeatable labeling, where all settings are made via the integrated touchscreen interface.

### Dispenser modules

With WIPE, the labels are applied to the product to match the product speed. They can be applied to the top, bottom or sides. The labels are applied to the product via a dispensing edge, and a brush ensures smooth, wrinkle-free transfer.

The WIPE system is only available with the LA7000 label applicator.

Depending on your requirements, you can fit other dispenser modules to the LA7000. You can find an overview of our dispenser modules on page 6.



- ✓ Fully electric, no compressed air, flexible applications
- ✓ All dispensing settings made via touchscreen
- ✓ High dispensing speed, high repeatability
- ✓ Sensors monitor dispensing operation

Customized dispensing arm for each application (see pages 6 – 7)

### Product benefits

- ✓ Fully electric
- ✓ 25% energy saving compared to pneumatic labelers
- ✓ Sensors monitor the dispensing operation
- ✓ Different label sizes possible
- ✓ Save settings for different products
- ✓ Different dispensing applicators available
- ✓ Driven by servo motors



### FULLY ELECTRIC, NO COMPRESSED AIR REQUIRED

All Diagraph labelers work without compressed air. All movements are driven by precise servo motors. This saves up to 25% energy costs and enables high-speed dispensing.



### CONTROL VIA TOUCHSCREEN

All dispensing settings are made via user-friendly display.



### SUITABLE FOR ALL LABELS

With the LA7000, labels of all shapes and in almost all sizes can be applied.

# THE RIGHT DISPENSING ARM FOR EACH APPLICATION



## Linear dispensing stamp – TAMP

The TAMP is the standard dispensing arm and is used by many companies. It can be used to apply labels to one side of the product. This can be the top, bottom or a side surface.

The label is applied using a linear movement. To match your application, we supply the TAMP with different maximum travel between 125 mm and 750 mm.

With its integrated sensors, the TAMP can identify the product surface and can react automatically to different-sized products. This increases flexibility and reliability and also reduces complexity.

The dispensing arm is driven by a servo motor. This enables high dispensing speeds, precise and repeatable positioning, and easy adjustment of settings via the integrated touchscreen.

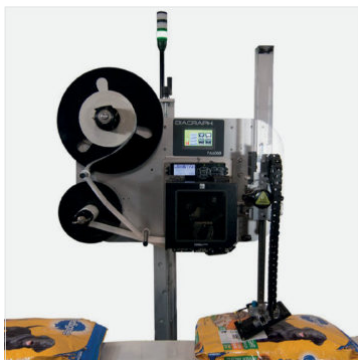


## Wrap-around – WASA

If you wish to wrap a label around an edge, the WASA applicator is the solution.

The label is applied by a purely mechanical applicator. The WASA arm is positioned on the transport belt in such a way that the passing products rub up against it.

The label is applied to the product front-to-side through adjustable contact pressure.



## Uneven objects – HST

The pivoting HST pad enables application of labels to irregular surfaces. One side of the pad presses the labels onto the passing product using a roller. Only the roller comes into contact with the product. The angled position of the pad enables it to compensate for irregular surfaces.

The HST applicator is based on the TAMP dispensing arm. This also dispenses labels using a linear movement.



### Two sides – FASA

Using this dispensing arm, which applies the labels with a pivoting motion, you can apply labels to any side of your product.

You can also dispense two labels to two different sides of a product. This could be the front and top – or any other combination.

This module is also ideally suitable for wrapping longer labels around an edge.

The FASA applicator is available with different arm lengths. This enables different ranges and cycle times. It is driven by servo motors and enables high dispensing speeds and precise positioning.



### Non-contact – BLOW

In the case of especially delicate or fragile objects, the BLOW dispensing system is the right choice. This is a TAMP system with which the labels are not pressed onto the product but are blown onto it from a short distance in a touch-less application.



### Labeling with a brush – WIPE

With WIPE, the labels are applied to the product to match the product speed. They can be applied to the top, bottom or sides. The labels are applied to the product via a dispensing edge and a brush ensures smooth, wrinkle-free transfer.

The WIPE system is only available with the LA7000 label applicator.



# TECHNICAL DATA

## LABELING SYSTEMS



**PA7100 print & apply labeler**

**LA7000 label applicator**

Print method	Thermal transfer or direct thermal print	
Print system	Sato or Zebra	
Print speed	up to 406 mm/s	
Max. application speed	120PPM; 90 m/min	800PPM; 90 m/min
Print resolution	203/305 dpi	
Max. printing area	167 mm x 355 mm (width x length)	
Min. label dimensions	26mm x 13mm (width x length)	13 mm x 13 mm; width x length
Max. label dimensions	167 mm x 355 mm (width x length)	228 mm x 355 mm; width x length
Capacity of label roll	355 mm (outside diameter of roll), 76 mm (standard core diameter)	355 mm (outside diameter of roll), 76 mm (standard core diameter)
Max. ribbon length	600 m	
Applicators	E-TAMP; E-FASA; WASA; BLOW; HST	WIPE; E-TAMP; E-FASA; WASA; BLOW; HST