



AG2000 LABEL APPLICATOR USER MANUAL



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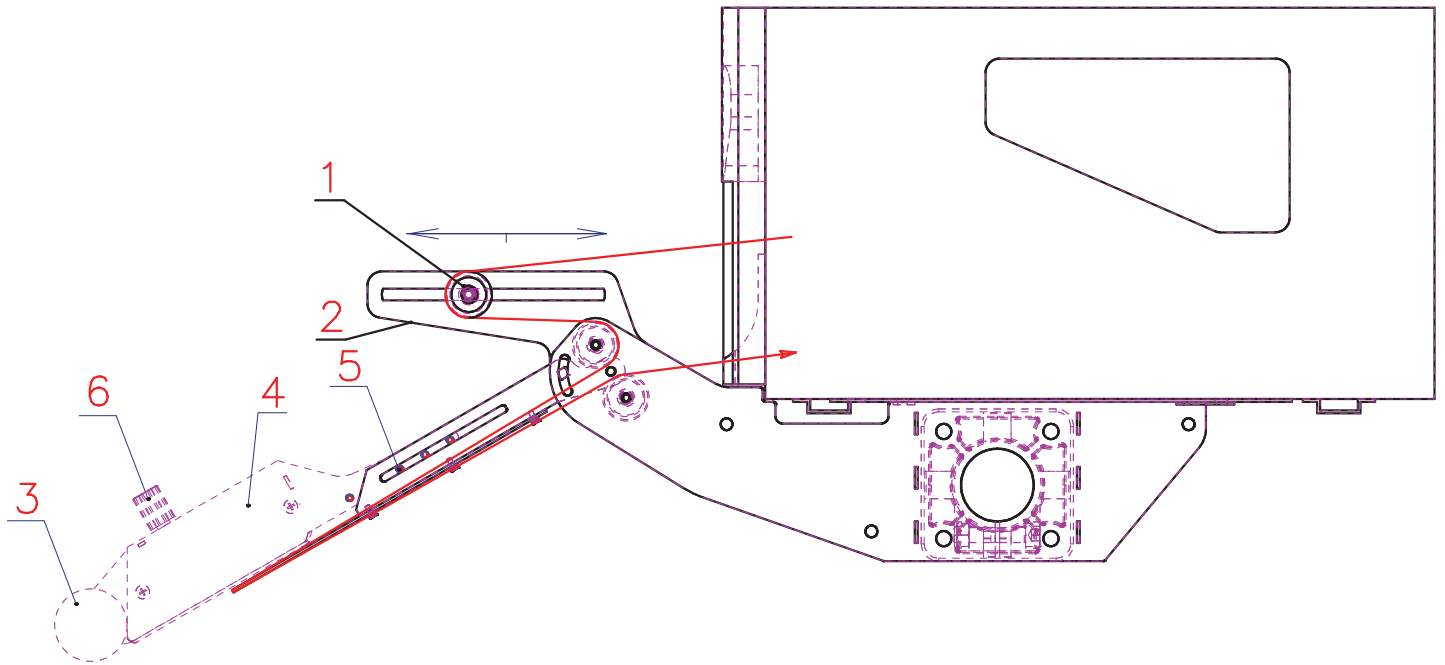
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AG2000 USER MANUAL

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1 Description



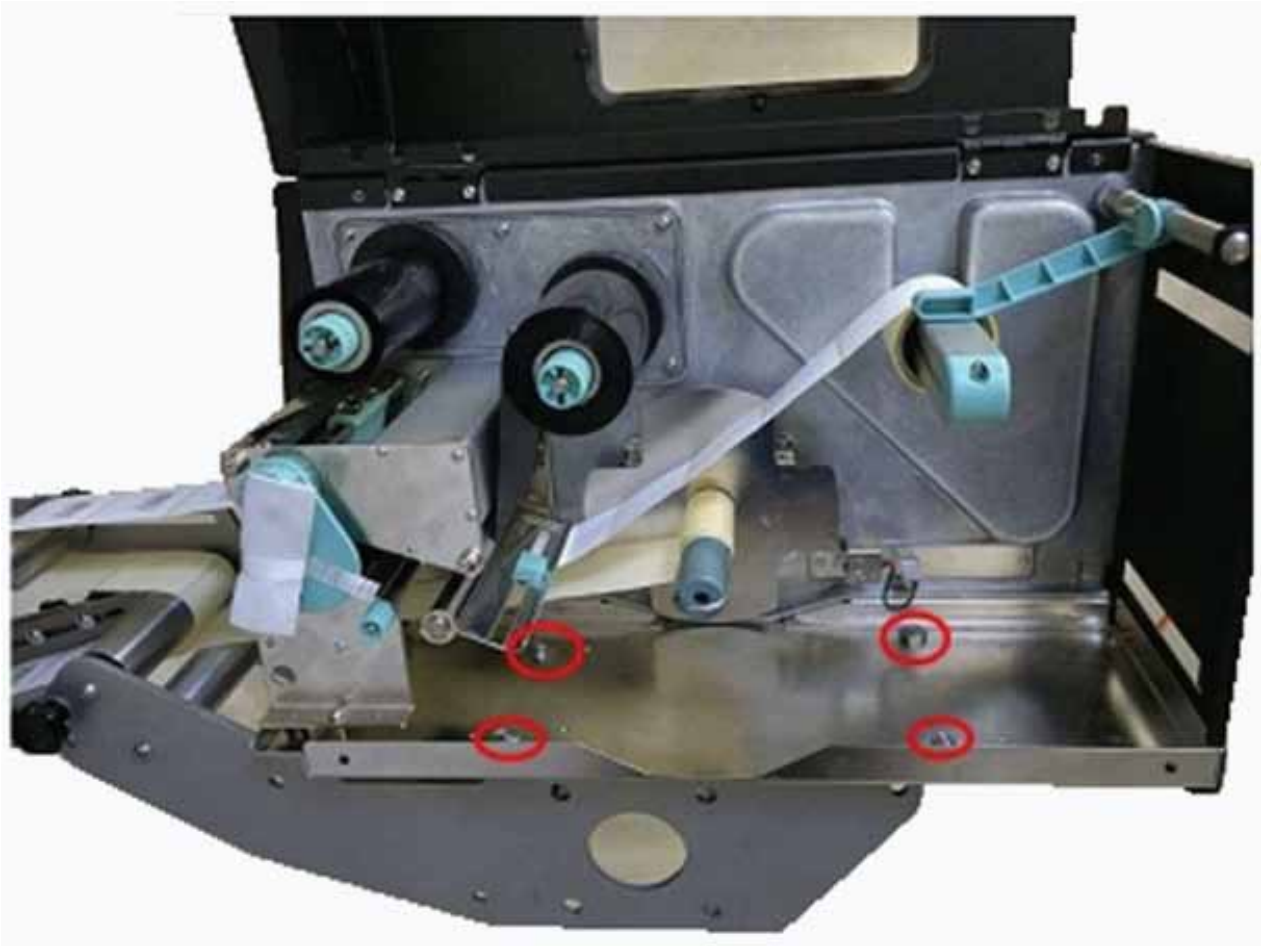
Pic 1: Godex applicator arm, printer positioning, threading diagram

The applicator arm allows automatic applying of labels to products on a driven belt or roller conveyor. The bracket is specifically designed to for use with Godex 4" wide industrial thermal transfer label printers. The printer attaches to the applicator arm with 4 specially modified bolts M5.

Printed labels pass around roller 1 attached to bracket 2. Roller 1 can be adjusted to vary the length of label being used such that the leading edge of the label is positioned under roller 3. After roller 1 the labels are routed to the dispense edge where the backing paper is removed. From the dispense edge, just the backing paper is returned to the printer where the internal rewinder collects the backing paper. Dispensed labels will be kept in position by the ventilator unit 4 until they are applied to the product using foam rubber roller 3 to firmly roll them down. Both the position and the capacity from fan unit 4 can be adjusted to suit the label length, -weight and -stiffness. The position from applicator arm 5 can be adjusted to meet various product sizes.

2 Assembly

1. Set up the stand and install the applicator arm on the stand tightly in position.
2. Fasten EZ-2000 Plus printer onto the arm using the 4 bolts included:



3. Bolt control box on the side of applicator arm:



2 Assembly

4. Bolt the ventilator unit 4 on the applicator arm 5 with the easy-release screws:



5. Connect the cable between the control unit and the printer applicator port.
6. Connect the ventilator power cable with the control unit.
7. Connect a sensor with the CAN9 connector on the control unit.
8. Connect the power cable to the printer.
9. Switch on the printer.

Notice

***Never connect or disconnect printer or sensor to control unit whilst printer is ON.
SWITCH OFF PRINTER BEFORE CONNECTING OR DISCONNECTING !

3 Operation

For correct function the printer must have a label design downloaded and set in "Applicator" mode. Also make sure that the applicator arm 5 is in a correct position and roller no. 3 presses firm enough on the product without slowing it down when passing by.

The next step is to adjust the applicator to the label length and bring the first printed label into application position underneath the fan unit and pinch roller 3.

As soon as the product on the conveyer is detected by the product sensor, the first label will be applied, the next label will be dispensed and a third label will be printed. In order to prevent multiple triggering of the product sensor for the same product, the Block Delay potentiometer can be adjusted to block sensor activations for a period after the initial trigger therefore avoiding more than one label being applied to a product.

By changing the horizontal position of the product sensor you will be able to adjust the label position on the product.

4 Adjusting the applicator and ventilator unit

Setting of label length

The label length is set by moving roller 1 along the applicator bracket 2. The roller should be set to a position such that the gap between the labels stops 5-20mm from the dispensing edge after print or after pressing the FEED button on the printer. The shorter the label, the closer the gap needs to be to the dispensing edge.

Setting of ventilator unit

The fan unit 4 can be moved up and down applicator arm 5. It should be set to a position such that the leading edge of the label is just underneath the foam rubber pinch roller 3. The roller itself can also be tuned vertically and horizontally to obtain a perfect position and pressure. By regulating the power with knob 6 it is possible to compensate for differences in label weight, stiffness and memory effect.

5 Control unit

The control unit for the Godex applicator arm is connected to the printer via the applicator interface of the printer and provides controls to start printing and applying labels either manually or using the product sensor.

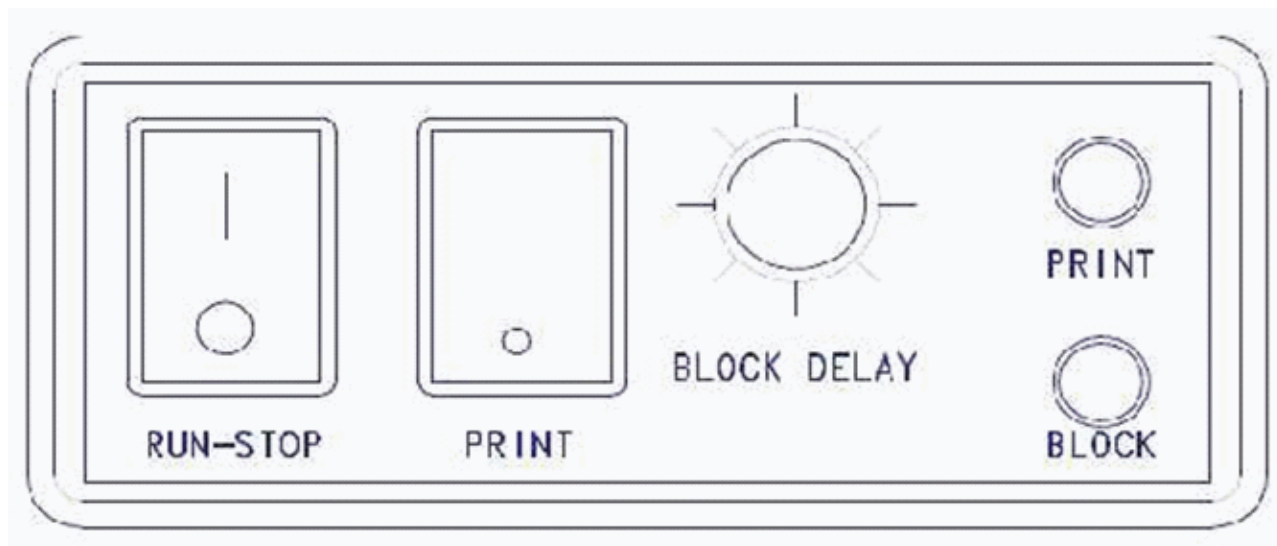
Size: 90 x 40 x 110mm

Max. power: 2W, power is taken from the printer via the applicator interface

Weight: 100g

6 Controls

Front Panel



PRINT: Allows one label to be printed regardless of the position of the **RUN – STOP** switch

RUN – STOP: Starts or stops automatic label application. In the ON position, labels will be applied automatically when the product sensor is triggered. In the OFF position, labels are not applied when the sensor is triggered.

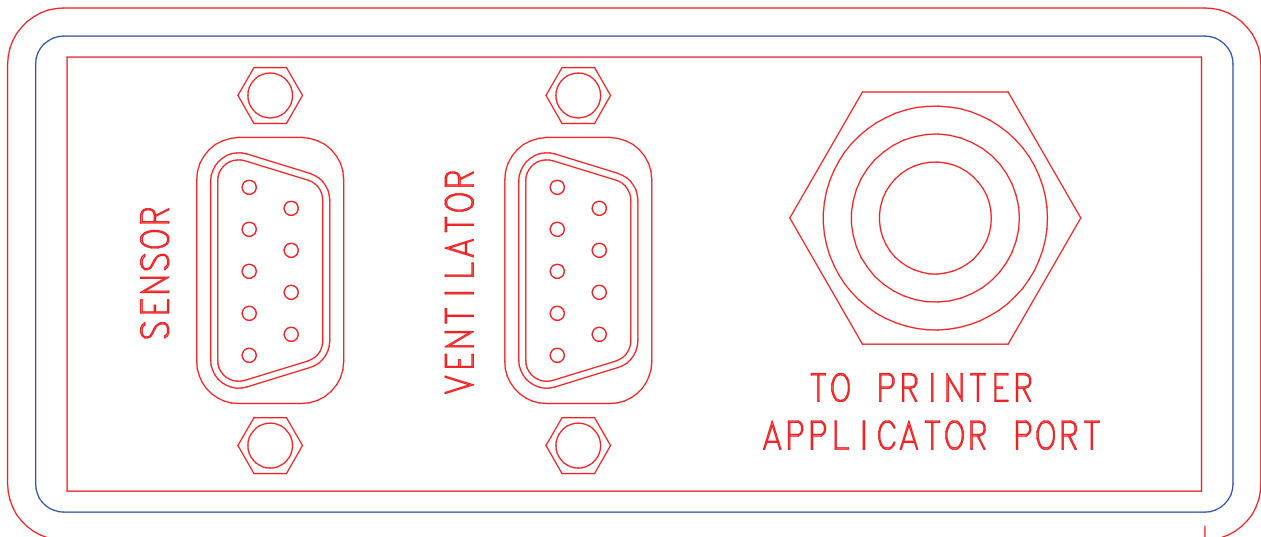
BLOCK DELAY: Used to prevent multiple labels being applied to the same product caused by false reading of the product sensor. During the time period set by the BLOCK DELAY control, the product sensor will be ignored after the initial triggering of the sensor. For example if a product has irregular shape or colour/pattern which could cause the sensor to be triggered more than once for the same product.

PRINT LED: Illuminates during printing

BLOCK LED: Illuminates during blocking of input from product sensor

6 Controls

Rear Panel



7 Connection of product sensor

Use only 24V PNP sensors using the DB9 connector on the rear of the control panel. Sensor is powered from the printer (max 300mA). Printing is triggered with the leading edge of the 24V signal.

Pin layout: 6: Input signal (+)

7: GND

8: +24V

You might also use a volt-free signal to initiate labelling by switching between pins 6 and 8.

8 AG2000 Warranty

- All items: parts only.
- Mechanical parts except foam rubber pressure roller: 3 years
- Control unit: 3 years
- Stand (option: stand, tubes, clam shells, positioners): 3 years
- Sensor (option) and ventilator: 1 year
- Foam rubber pressure roller: 6 months

The warranty does not cover damage caused by normal wear and/or improper usage. Extraordinary dusty environments may shorten the ventilator life cycle and raw product surfaces may reduce the pressure roller life cycle.

9 CE Compliance

The AG2000 applicator system is not subject to CE certification as it is a device that can only be operated as a subordinate extension of another device (the printer). The integrated ventilator is CE certified.

10 Support

For technical questions, support and special requests of any kind please contact your Godex dealer or our technical department. You find our contact details on the cover of this manual.

<u>Your GoDEX Dealer</u>
