

# AP 4050

## AUTOMATIC LABEL APPLICATOR



The AP 4050 is the evolution of the well known AP 4042. It adds many important features and removes some weaknesses

The construction is considerably stronger. The main support plate is made of polished and anodized 10 mm thick aluminum. The applicator cabinet is a single piece extruded anodized aluminum part. An easy menu driven operator interface allows an intuitive operation, with clear error messages in many languages. The display is large and backlit, readable few meters away. The exchangeable application plate allows different label sizes. The power supply is independent, without problems of excessive load on the printer. A USB port and many connection ports possibilities allow a flexible and easy system interface.

## KEY FEATURES:

- robust and corrosion resistant anodized aluminum and stainless steel construction
- up to 90 labels per minute
- application plate exchangeable in few seconds
- M12 connectors for sensors and alarm lamp
- paper pre-end sensor
- 305 mm stepping motor driven, tension arm controlled unwinder-rewinder mechanism
- blow, tamp blow and tamp on application
- low force (< 50 N) on the application plate assures the operator safety
- application plate exchangeable in few seconds
- two trigger inputs, allowing separate print and apply activation
- splash proof control panel with large, clearly visible 40 characters display, allowing an easy operator interface and clear error messaging
- USB port for diagnostics, software and set up parameters down and up loading end remote control.
- universal power supply 90-264 VAC, with switch off driven by the printer
- three colors status lamp
- solid state vacuum and pressure sensors
- large range of accessories and versions available (6" web width, swing arms, etc...)

## TECHNICAL SPECIFICATIONS

|                        |   |
|------------------------|---|
| PRINTER ENGINES        | <a href="#">Click here</a>  |
| PISTON STROKE          | up to 240 mm standard ,up to 490 mm option  |
| LABEL SIZE             | min 19 x 19 mm, max 120 x 170 mm. Exchangeable application plate standard.  |
| LABEL STOCK            | up to 305 mm diameter   |
| SPEED                  | up to 90 labels per minute  |
| APPLICATION DISTANCE   | from 0 to 50 mm, depending by the label size  |
| ACCURACY               | +/- 1 mm , for a flight distance smaller than 50% of the shortest side of the label   |
| REWINDER               | stepping motor driven, microprocessor controlled for a constant tension of the web  |
| CONTROLS               | Through control panel, remoteable, 5 keys and LCD display   |
| DIMENSIONS (l x h x w) | 710x580x235mm (including the printer support plate): 210 mm plate overhang from the support plate with the piston fully extended                          |
| WEIGHT                 | approx. 25 kg, not including the printer  |
| POWER SUPPLY           | 90-263 VAC, 567 W max (including the printer)   |
| AIR SUPPLY             | dry air (filter-regulator supplied) min 6 bar, max 8 bar<br>air consumption at full speed max 60NI/min, peak flow 100 l/min                               |
| ENVIRONMENT            | temperature 5 - 35 °C, relative humidity from 20 to 90 % not condensing)  |
| INTERFACE              | "M12" connectors fo photocells and alarm lamp. "D" connection for printer and other interface signals. USB for data interface, diagnostics and statistics |

## MAIN ACCESSORIES

|           |  |
|-----------|--|
| 4.551.000 | 500 mm stroke kit  |
| 4.552.000 | Variable stroke kit  |
| 4.553.000 | Swing arm kit  |
| 4.555.000 | Custom lenght stroke kit, 100-600 mm                                     |
| 4.556.000 | Custom lenght swing arm kit, 150-400 mm                                  |
| 4.557.000 | Dampeners kit for swing arm  |
| 4.558.000 | Spare application plate, complete of counter plate and gasket, 120 x 160 |
| 4.559.000 | Spare application plate, complete of counter plate and gasket, 120x 90   |
| 4.560.000 | Three color LED lamp, wired and with accessories                         |
| 4.561.000 | Special wiring for SATO printers   |
| 4.562.000 | Pre-end of labels sensor   |
| 4.563.000 | 6" roll kit  |
| 4.564.000 | Counterflanges kit   |