

# PLS-100



***The original "AccuSpeed" apply-only label applicator designed for speed, accuracy and flexibility***

**T**he PLS-100 is a dedicated solution for quickly and accurately applying pre-printed labels to most any product, carton, case, tote, or pallet. The PLS-100 is reliable, powerful and versatile. Compared to higher cost label applicators, the PLS-100 offers more standard features, high performance, proven engineering, built-in reliability, and greater total value.

Plus, with Paragon's innovative modular design, a variety of applicator modules can be used to ensure that the PLS-100 continues to meet your needs as your pre-printed labeling needs change.

Standard features include:

- Speeds to 18 IPS (inches per second)
- $\pm 1/16"$  (1.58mm) accuracy
- Built in counters
- On-board diagnostics
- Peel-tip gap sensing with "teach" eye
- PLC electronic controls
- Programmable backlit display
- Stepper motor drive
- Low label sensing
- 14" OD label supply with auto-rewind
- 1/2" plate aluminum construction



**PARAGON**<sup>™</sup>  
LABELING SYSTEMS

**Modularity. Integration. Performance.**







# PLS-100 specifications

|                                   |  |
|-----------------------------------|--|
| <b>Label Size:</b>                | .5" x .5" minimum, 5" x 18" maximum  |
| <b>Media Supply:</b>              | 14" (356mm) maximum outside diameter on 3" (76mm) standard core  |
| <b>Media Rewind:</b>              | Roll-to-roll with full carrier rewind capacity   |
| <b>Low Media Supply Sensing:</b>  | Standard detection and signal output when label supply is low  |
| <b>Product Detect Sensor:</b>     | Standard photo electric product sensor; operator-adjustable delay between product detect and label application |
| <b>Product Labeling Accuracy:</b> | Up to 1/16" with consistent labels and controlled carton handling  |
| <b>Air Requirements:</b>          | 30-80 PSI, 2cfm, clean, dry, non-oiled. No air required when configured as a wipe unit.                        |
| <b>Power Source:</b>              | 115, 230 VAC, 60/50 Hz   |
| <b>Operating Temperature:</b>     | 40° F to 100° (4° C to 38°)  |
| <b>Humidity:</b>                  | 10% to 95%, non-condensing   |
| <b>Machine Construction:</b>      | 1/2 plate aluminum   |
| <b>Dimensions:</b>                | 18" L x 21" H x 11" D; 457mm L x 533mm H x 279mm D   |
| <b>Weight:</b>                    | 40 lbs. without stand  |
| <b>Controls:</b>                  | PLC controlled   |
| <b>Display:</b>                   | Backlit programmable display   |
| <b>Peel Tip Sensing:</b>          | Auto teach eye   |



Easy access PLC controls

|                 |  |
|-----------------|--|
| <b>Options:</b> | Warning light pole signals low supply<br>T-Base stand: many styles available |
|-----------------|--|

| Applicator Module   | Label Width                        | Label Length                        | Accuracy*                | Speed**  | Typical Applications   | Labeling Configurations  |
|---|------------------------------------|-------------------------------------|--------------------------|--|--|--|
| <b>Tamp</b><br>          | .5" min. (13mm) to 5" max. (128mm) | .25" min. (6mm) to 12" max (306mm)  | Up to +/- 1/16" (1.58mm) | Up to 120 ppm dependent on label size and stroke length                  | Cases, cartons, and packaged goods                                     | Top, bottom, or side panels  |
| <b>Dual Tamp</b><br>    | 2" min. (51mm) to 5" max. (128mm)  | 2" min. (51mm) to 8.5" max (217mm)  | Up to +/- 1/16" (1.58mm) | Up to 20 ppm dependent on label size and length of applicator swing arm  | Pallets, cases, and cartons  | Custom-selectable as a leading and adjacent panel application; or, a side and rear panel |
| <b>Roll On</b><br>     | .5" min. (13mm) to 5" max. (459mm) | 4" min. (102mm) to 14" max (357mm)  | Up to +/- 1/16" (1.58mm) | Up to 100 ppm dependent on label size and length of applicator swing arm | Cases, cartons, and packaged goods; well suited for long skinny labels | Top, bottom, or side panels  |
| <b>Corner Wrap</b><br> | .5" min. (51mm) to 5" max. (128mm) | 6" min. (153mm) to 16" max (408mm)  | Up to +/- 1/16" (1.58mm) | Up to 30 ppm dependent on label size                                     | Cases and cartons  | Leading and adjacent panels  |
| <b>Vacuum Blow</b><br> | .5" min. (13mm) to 5" max. (128mm) | .5" min. (13mm) to 4.5" max (115mm) | Up to +/- 3/32" (2.37mm) | Up to 120 ppm dependent on label size                                    | Irregular and/or fragile products, packaged goods, cases, and cartons  | Top, bottom, or side panels  |
| <b>Wipe On</b><br>     | .5" min. (13mm) to 5" max. (128mm) | .5" min. (13mm) to 12" max (306mm)  | Up to +/- 1/16" (1.58mm) | Up to 120 ppm dependent on label size                                    | Irregular and/or fragile products, packaged goods, cases, and cartons  | Top, bottom, or side panels  |

\*Dependent upon product handling and uniformity  
\*\*Dependent upon label size

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