

PLS500 SERIES

Automated Labeling Solutions
Decorative Labeling
Print and Apply
RFID



At Paragon Labeling Systems, we are committed to providing labeling solutions with the best value proposition available. Our PLS500 labeling systems are the most advanced labeling systems on the market today. These highly modular systems offer unparalleled configuration choices. They have the ability to be configured as decorative label applicators, print and apply, and RFID labeling systems. They can also be configured as stand-alone systems without the need to be connected to a PC or network.

These systems employ a modular and flexible design that allows you to reconfigure your labeling system as your needs evolve without needing to buy a whole new system. Based on an Allen Bradley PLC with a color touch screen interface, the PLS500 system is a feature rich system used to print and then immediately apply labels to products, cartons, cases, pallets, and totes. This system gives you unparalleled control and integration capabilities.

Print engines from Zebra, Sato, or Datamax are available, allowing the most demanding labeling requirements to be met. With a full line of field interchangeable application modules, the PLS500 can label in virtually any orientation. For those less-demanding applications, you can start with a lower speed print system, and later upgrade to a full-featured OEM print engine.

With a plate aluminum chassis, Allen Bradley PLC controller, and remote mount interface with a color touch screen, this robust system delivers an unparalleled value proposition with many standard features that are only options on other systems. And the advanced interface features allow for control like never before. With the most advanced standard features on the market, the PLS500 provides customers with the knowledge that their labeling needs are being met today and into the future.

PARAGON LABELING



SPEEDY



ACCURATE



DURABLE

See reverse
for product specifications.



DARTRONICS, INC.

PACKAGING AUTOMATION SPECIALISTS



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END-OF-LINE

PACKAGING, MARKING AND CODING NEEDS

TECHNICAL SPECIFICATIONS

- Allen Bradley PLC controlled
- Remote mount interface
- Allen Bradley Ethernet/IP interface (for easy integration)
- Color touch screen display with operational status background (green, yellow, red)
- Vacuum system back-flush (eliminates vacuum system clogging)
- Swing-away applicator mounts (for easy cleaning and loading)
- Prewired peripheral connection points
- 100 Built-In label location "Recipes"
- 4-Level password protection of all settings
- Built-In diagnostic tools
- Error Logging with timestamp
- Print speed from 2"-16"/second at 200 to 600 dot per inch (DPI) (print engine dependent)
- Accurate to +/- 1/64"
- Plate aluminum construction (durable and robust)
- Fully enclosed chassis (protects print engine)
- Pressurized cabinet (keeps out debris)
- Dual label sensing

LABEL SPECIFICATIONS

	Min	Max
Label Width	.5" (12.7mm)	7.1" (180 mm)
Label Length	.5" (12.7mm)	18" (457.2mm)
Roll Size	3" ID	12.25" OD

AIR REQUIREMENTS

- 30-80 PSI at 2 CFM (application dependent)
- Clean, dry, non-oiled
- Air not required for wipe (merge) label applications

POWER

115 VAC, 6 Amp

DIMENSIONS

- 24" (610 mm) wide x 24" (610 mm) tall x 18" (457 mm) deep
- Applicator module not included above

All Systems Go



Supplies Are Low



System Failure



Weight

90 lbs.

OPERATING ENVIRONMENT (Print Engine Dependent)

	Min	Max
Temp	40°	95°
Humidity (non-condensing)	20%	95%

APPLICATOR MODULES

- Wipe (merge)
- Tamp
- Dual panel tamp
- Corner wrap
- Blow
- Tamp-blow
- Smart-tamp
- Pneumatic roll-on

ADDITIONAL OPTIONS

- Can be configured for decorative labeling, print and apply, or RFID
- Label recall with alpha-numeric data entry from the Paragon HMI
- Mounting stand (multiple configurations)
- Product detection sensors (wide variety)
- 3-Color warning beacon
- Label on tamp pad sensor
- Scanner interface
- Applicator "Home" sensor
- "Quick-change" tamp pads for multiple label sizes
- 16-point user configurable I/O
- Dual label application sensing
- Basic conveyors and product handling solutions