

# PLS-400 series

## **Advanced labeling systems designed for integration, logic control and RFID-EPC "smart label" encoding**

**P**aragon's PLS-400 series of PLC-controlled labeling systems are ideal for packaging applications requiring logic control and systems integration within an open architecture environment. A remote, machine-mountable PLC display makes changing system programs and application logic sequences easy, efficient and secure.

Paragon's PLS-400 series of PLC-controlled labeling systems are ideal for packaging applications requiring more logic control and systems integration within an open architecture environment. A remote, machine-mountable PLC display makes changing system programs and application logic sequences easy, efficient and secure.

### **Paragon PLS-410**

The PLS-410 is a robust "apply only" label applicator, providing all the powerful PLS-400 chassis features for applications using pre-printed labels.

### **Paragon PLS-420**

The PLS-420 offers the same performance, quality, control and integration as the PLS-410, but with a "print-and-apply" engine.

### **Paragon PLS-430**

Specifically designed for RFID-EPC packaging applications, Paragon's newest labeler combines an *Encode & Apply*™ module with all the control and integration functionality built into the PLS-400 chassis. Our patented modular design and gives you the ability to program and apply smart labels now, with the capacity to upgrade your system with a *Print, Encode & Apply*™ module as your needs change.

### **Paragon PLS-440**

The PLS-440 offers the same performance, quality, control and integration as the PLS-430, but with a *Print, Encode & Apply*™ engine.

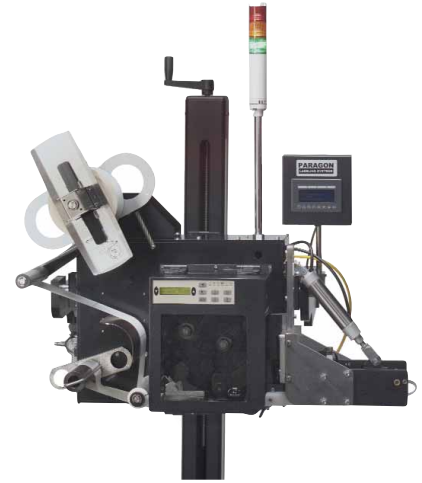


**PARAGON**  
LABELING SYSTEMS

Modularity. Integration. Performance.

# PLS-400 specifications

<b>Print Method:</b>	Direct thermal and thermal transfer
<b>Media Supply:</b>	12" (306mm) 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 and ribbon supplies are low or print interruption occurs
<b>Print Engines:</b>	Sato America, Inc., Zebra Technologies, Inc., and Datamax Corporation
<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 1/32" with consistent labels and controlled product handling
<b>Air Requirements:</b>	40-60 PSI, 2-6cfm (dependent upon applicator), clean, dry, non-oiled
<b>Power Source:</b>	115, 230 VAC, 50/60 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>	Plate aluminum chassis
<b>Dimensions (Chassis):</b>	26" L x 26" H x 15" D (660mm L x 660mm H x 381mm D) or 26" L x 26" H x 17" D (660mm L x 660mm H x 432mm D) dependent on print engine
<b>Weight:</b>	80 lbs (35.7 kg) to 87 lbs (38.8 kg) depending on print engine



<b>Options:</b>	Bolt on 16" powered unwind mechanism T-Base Stand: many types available Applicator home detect Label on Pad sensor	Alert light (3-stack) Dual product sensing Cycle complete output
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Applicator Module	Label Width*	Label Length*	Accuracy**	Speed***	Typical Applications	Labeling Configurations
Tamp	.5" min. (13mm) to 7" max. (178mm)	.25" min. (6mm) to 12" max (306mm)	Up to +/- 1/32" (.79mm)	Up to 120 ppm dependent on print engine, label, size and stroke length	Cases, cartons and packaged goods	Top, bottom or side panels
Dual Tamp	2" min. (51mm) to 7" max. (178mm)	2" min. (51mm) to 8.5" max (217mm)	Up to +/- 1/32" (.79mm)	Up to 20 ppm dependent on print engine, 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
Roll-on	.5" min. (13mm) to 18" max. (459mm)	4" min. (102mm) to 14" max (357mm)	Up to +/- 1/32" (.79mm)	Up to 75 ppm dependent on print engine, label, size and length of applicator swing arm	Cases, cartons and packaged goods — well suited for long skinny labels	Top, bottom or side panels
Corner Wrap	2" min. (51mm) to 7" max. (178mm)	6" min. (153mm) to 16" max (408mm)	Up to +/- 1/32" (.79mm)	Up to 25 ppm dependent on print engine and label size	Cases and cartons	Leading and adjacent panels
Vacuum Blow	.5" min. (13mm) to 4" max. (102mm)	.5" min. (13mm) to 4.5" max (115mm)	Up to +/- 1/32" (.79mm)	Up to 120 ppm dependent on print engine and label size	Irregular and/or fragile products — packaged goods, cases and cartons	Top, bottom or side panels
Wipe	.5" min. (13mm) to 4" max. (102mm)	.5" min. (13mm) to 4.5" max (115mm)	Up to +/- 1/32" (.79mm)	Up to 120 ppm dependent on print engine and label size	Irregular and/or fragile products — packaged goods, cases and cartons	Top, bottom or side panels

\*Dependent upon print engine (Sato, Zebra and Datamax)  
 \*\*Dependent upon product handling  
 \*\*\*Dependent upon print engine, label size, and data communication;  
 RFID speeds and feeds subject to change based on encode and encrypt time



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