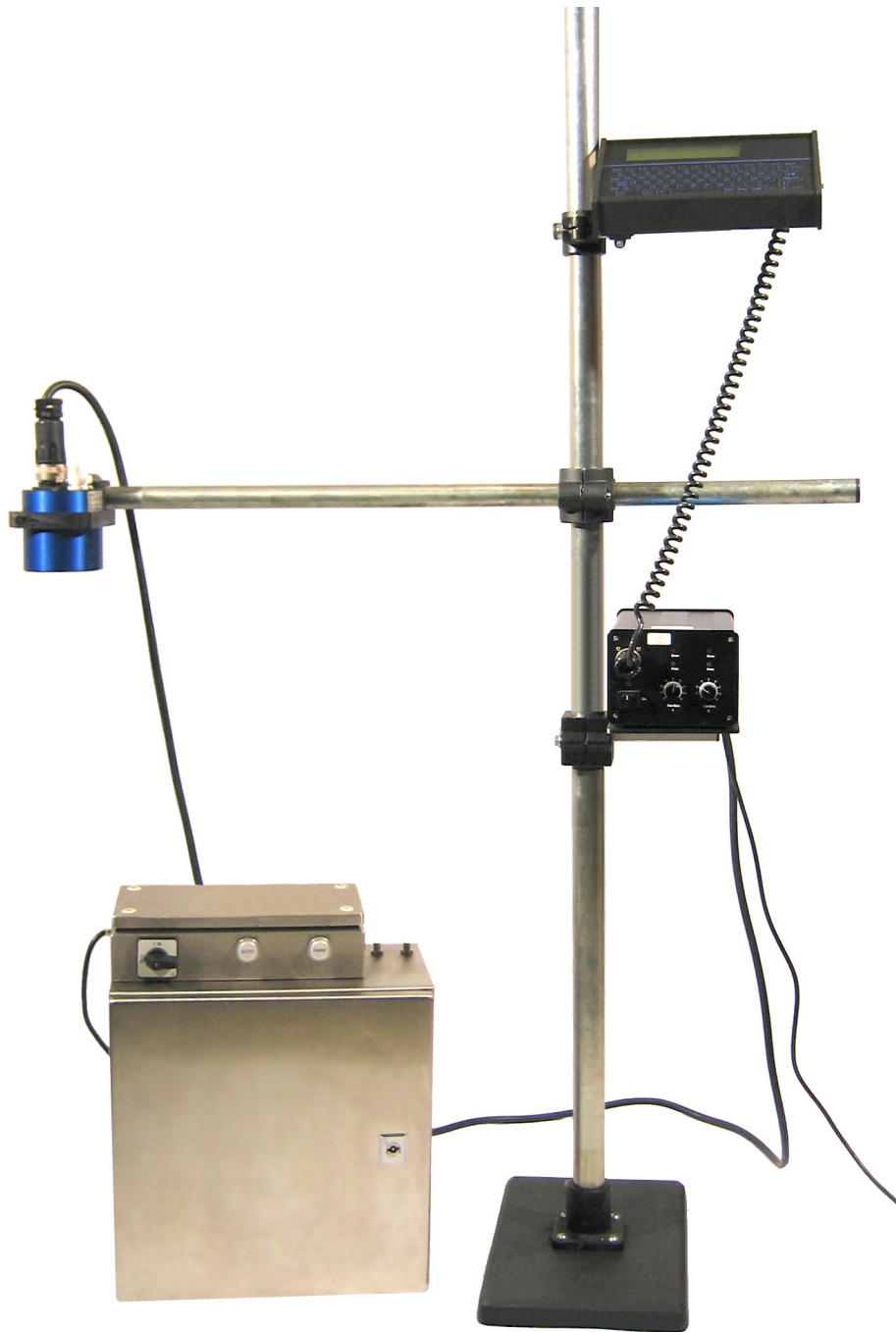




# RUBBER PRINTING SYSTEM

PRINTING



## *Tire Components:*

*Tread Stock*

*Sidewall*

*Calender Stock*

*Tube & Hose*

*Sheets & Mats*

*Rubber Bonded Parts*

*Belting*

## **Reliable, non-contact printing on rubber products.**

The Rubber Printing System (RPS) from Pannier Corporation is the world's first ink jet printer to successfully use non-contact marking technology to print curable inks on rubber. For the first time, manufacturers of rubber products can benefit from the capability to automatically download and print real-time production information. Product data, internal tracking information and even logos can be printed using the RPS's revolutionary printhead technology. Choose curable white ink for permanent identification or disappearing ink for marks that disappear when the rubber is cured.

The curable, rubber-based inks used in the RPS do not stick or transfer onto molds or vulcanizing equipment. Application of these inks does not affect the adhesion of rubber components to each other or other materials.

## PRINT OPTIONS

Ink Types	Curable White, Disappearing
Character Sizes	¼" to 5¼", bold characters, adjustable width and spacing
Print Matrix	5x5; 7x5; 10x10; 16x10
Lines of Text	1 line/7-dot, 2 lines/16-dot, 4 lines/32-dot
Message Length	256 characters per message
Message Storage	100 messages including logos, expandable to 1,000 messages
Mounting Configurations	top, bottom, or side mounting; R/L print or L/R print
Serial Interface	RS-232 (RS-422 optional)

## MISTAKE-PROOF MARKING

The Rubber Printing System can be quickly and easily integrated with control systems, PLCs or other devices to automatically receive and print information like recipe numbers, product codes, industry specifications and customer data along with shift, date and time codes. Because information is transmitted to the printer automatically, the possibility of mis-marked product is eliminated. The easy-to-use, removable keyboard can be used to program up to four printheads at once.

## THE RPS SAVES YOU MONEY

- Non-contact printing eliminates damage to the surface of rubber products, thus reducing scrap material
- Scrap product can be recycled because the rubber-based curable inks will not contaminate raw materials
- Automatic message changing eliminates the time-consuming and error-prone manual message changeovers of traditional contact printers
- The robust system design significantly reduces the time required to clean and maintain equipment

## RUGGED DESIGN

Rated IP-65, the RPS is designed to work in industrial environments and can withstand dust, high humidity, extreme temperatures, vibration and even wash-down environments. The unique print head design even allows you to change ink types without affecting the operation of the printer.

## MINIMAL DOWN-TIME

Components can be removed and replaced by the operator in a matter of minutes. This philosophy of design ensures that the printer is operational in the shortest period of time. The RPS's patented print head technology is designed to use many types of inks – including pigmented and curable inks – with little or no clogging.

## SPECIFICATIONS

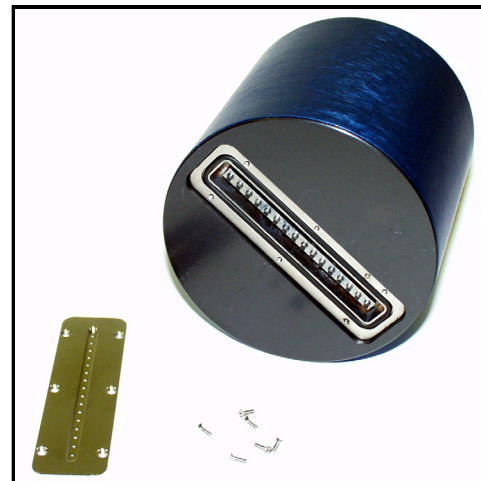
Electrical Supply	110 VA; 50/60 Hz
Air Supply	Less than 30 PSI, clean and dry (optional electrical ink supply available with internal air pressure)
Operating Environment	Temperature: 23°F to 113°F Humidity: 10% - 90% non-condensing
Protection Rating	IP65
Line Speed	2 fpm to 850 fpm
Print Heads per Controller	7-dot: 4 heads/1 controller 16-dot: 2 heads/1 controller 32-dot: 1 head/1 controller

## OPTIONS

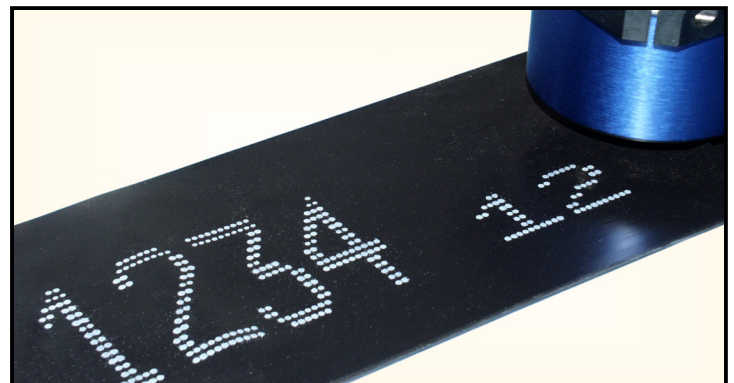
- ♦ **Shaft encoders** to synchronize printing with production line
- ♦ **Photocells** to trigger printing
- ♦ **Stands** allow easy positioning of all components
- ♦ **Mounting brackets** for various print head configurations
- ♦ **Bar code scanners** for automatic message selection
- ♦ **Memory extension** for storing up to 1,000 messages

## Ink Colors

WHITE
PINK
LAVENDER
RED
NEW RED
ORANGE
YELLOW
NEW YELLOW
BLUE
DARK BROWN
LIGHT BLUE
LIGHT BROWN
GREEN
LIGHT GREEN
GREY



Printheads are nearly clog-free, and if clogs do occur cleaning is fast, easy and inexpensive.



## PANNIER CORPORATION

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