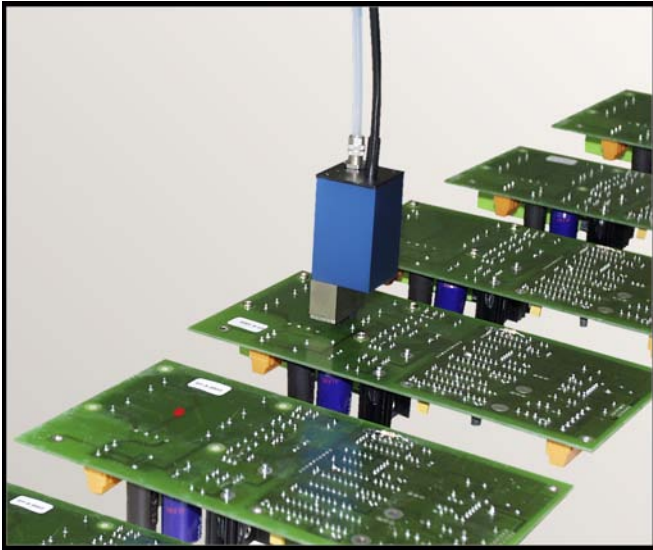




DOT PRINTERS

PRINTING



Ideal for part identification at inspection stations, the Dot Printer can be integrated with any industrial control.



- Automotive Parts*
- Food & Beverage Processing*
- Inspection Stations*
- Alignment & Location Marks*
- Color Coding*
- Production Line ID*
- Quality Control*

OVERVIEW

Pannier's Dot Printer is a high performance drop-on-demand (DOD) ink jet marking system designed to apply single dots on a wide variety of porous and non-porous materials found in the modern manufacturing environment. Capable of printing at high speeds, the system performs reliably and consistently even in harsh production environments.

The system's unique printing technology offers many advantages over other dot marking systems:

- ◆ Patented no-valve printhead is virtually clog-free
- ◆ DOD technology uses less ink to create clean and clear marks with no overspray
- ◆ Can be used with a wide range of ink types and colors
- ◆ Capable of printing up to 800 dots per second for fast production lines

SPECIFICATIONS

Nozzle Sizes	.08mm, .13mm, .18mm, .27mm, .35mm	
Dot Frequency	800 dots/second maximum	
Ink Types	Ethyl Acetate	MEK
	Ethyl Alcohol	Pigmented
	High Temperature	Water-based
	Isopropyl Alcohol	Custom

Electrical Supply	230/115V AC \pm 10%; 30V; 50/60 Hz
Printhead Dimensions	1.18"H x 1.18"W x 2.75"D (30mm x 30mm x 70mm)
Operating Environment	Temperature: 23°F to 113°F Humidity: 10% - 90% non-condensing
Mounting Options	top, bottom, or side mounting



Dot marking controller and printhead.

MINIMAL DOWNTIME

The patented, next-generation technology of the printheads was developed to mark with many different types of ink with little or no clogging. Minimal clogging means crisper, more consistent marks and fewer interruptions of your production.

If repairs are needed, components can be removed and replaced by the operator in a matter of minutes. This philosophy of design for "replacement not repair" ensures that the printer is operational in the shortest period of time.

RUGGED DESIGN

All system components are designed to work in industrial environments and can withstand harsh conditions such as dust, high humidity, extreme temperatures and vibration.

The unique printhead design even allows you to change ink types without affecting the operation of the printers.

EASY INTEGRATION

The control units can be easily integrated with most common industrial devices, such as PLCs or visual inspection systems. An optional photocell can be used with the dot printer to trigger marking.

Dot printers can be placed nearly anywhere on a production line. The printheads are very compact for installation into the smallest of spaces. This provides ultimate flexibility in integrating the system into your current operations.



PIGMENTED INK SYSTEM

Special ink systems are available for use with pigmented inks, which circulate ink through the entire printer to prevent pigments from settling. These ink systems feature automated, periodic circulation during non-operating hours to prevent clogs.

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