

# KSD 90 Pad Printer

The most advanced and precise pad printer ever built.

Machine can be used as a stand alone or used as a modular for automation.



\* Shown as a stand alone

- FAST**  
Up to 1,500 prints per hour
- RUGGED**  
Built for high use, industrial applications
- VERSATILE**  
Capable of running photopolymer, laser, thin-steel and thick-steel printing plates



PLC control touch screen



G-cup with inner liner

## OPTIONAL



Product holding in/out shuttle



Auto pad clean



Anti-static blower



2-station PNEUMATIC oscillating indexer

# KSD 90

## PAD PRINTER

### FEATURES

The KSD 90 servo driven pad printer was designed to be utilized in automation set-ups. However we have some customers that use the printer as a stand alone unit. A few note worthy features are.

- \* Heavy duty, oversized STAR ball screw.
- \* Printing head up/down movement guided on linear guide rails to ensure accuracy.
- \* Pad guide rails move below printing plate to ensure high precision and accuracy.
- \* Printing plate platform in/out movement guided on linear guide rails to ensure accuracy.
- \* PLC controlled touch screen panel.
- \* Ink pick-up and ink laydown speeds are controlled through the PLC giving the operator the ability to make adjustments on the fly as needed.

The machine runs very smooth at either low or very high speeds.

### SPECIAL KEY FEATURES

The KSD 90 has several key features. One of the features is our digital pad stroke or what we call DPS. DPS allows you to set a digital number for ink pick-up and a separate digital number for printing all controlled through the PLC. Print dwell is another feature designed to aid with printing. Print dwell will allow the operator to set a time for pad sitting on the printing plate before lift-up and a separate time for printing laydown on the product also controlled through the PLC. This feature is useful when printing in a noncontrollable environment. Print dwell is also useful when printing on textured surfaces. The best feature is our patented ink cup, or what we call our G-cup. The G-cup has a removable inner liner. By having an inner liner, the need for solvent at clean-up is greatly reduced. The only clean-up will be the ring edge and the printing plate.

### SPECIFICATIONS

Ink Cup Sizes	90mm
Printing Plate Sizes	100 x 250mm
Max. Image Size	80mm
Max. Cycle Speed	1,500 Cycles/hr. <i>(cycle speed based on ideal conditions)</i>
Pad Compression	400W servo motor
Pad Stroke	138mm
Power	220V
Accuracy	+/- 0.02mm
Repeatability	+/- 0.02mm
Machine Size	1,150 x 700 x 1,800mm (L x W x H)
Machine weight	220 kg. / 485 lbs (approx.)