

# Catheter Printers



## 360° Pneumatic Catheter & Tube Printing

### KP05 & KP06 360°

The standard configuration is equipped with a vacuum catheter bed for providing the capacity to print any image(s), bands, text, etc. 360° around the tube. Ideal for shorter catheters and stents.

- ▶ Various image lengths via round oval cups up to 210mm long.
- ▶ The pad starts in the back position to allow for easy loading of the catheter.
- ▶ The cup remains stationary and the plate shuttles out under the pad where the pad picks the ink out of the cliches etches images.
- ▶ The pad shuttles over the catheter.
- ▶ The pad then descends onto the catheter.
- ▶ The shuttle table moves backwards rolling the catheter under the pad and transferring the image(s) onto the catheter.



### KP08 Servo Driven 360°

Our Engineering team redesigned a standard KP08 cupslide pad printer with both Y- and Z-axis servo drives. This functionality allows faster product changes and reduces setup time by as much as 90%, plus increased production speed at 15%

- ▶ The Z-axis servo (vertical stroke) pad movement allows various diameter part sizes to be programmed along with the appropriate stroke depth.
- ▶ This eliminates the need to manually reset the table depth each time a different diameter part is ready for printing.
- ▶ The Y-axis servo control allows the pad to pick up various artworks from a single cliché. The stroke of the pad printing onto the catheter is also adjustable for various tube diameters.
- ▶ There is no longer a need for a shuttle catheter bed to roll the tube.
- ▶ The bed has an adjustable vacuum control to provide ample suction for holding each tube diameter and length.
- ▶ The positioning of the pad for cleaning is controllable.



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## *KE13 Servo-Controlled Dual-Cupslide 360°*

The KE13 provides the operator with the ability to print catheter lengths previously not attainable. The touchscreen console and improved user interface allows the operator to create, store, and recall print programs, each specific to an individual catheter print specification.

- ▶ The servo y-axis pad movements are programmable. The Operator can set various diameter tube sizes and the appropriate stroke depth.
- ▶ Z-axis pad servo eliminates the need to manually reset the table depth each time a different diameter tube is ready for printing.
- ▶ Immense compression along the entire bed allows for compression of two linear pads 1,300mm long.
- ▶ Both cliché supports are mounted to a single sub plate that slides out of the machine on linear guide rails for ease of change over.
- ▶ Dual sealed cupslides provide control of the ink dry time on long prints.



## *Multicolor Catheter Printer*

The multi-color catheter allows printing of catheter with up to thirteen different color bands in a single print cycle. The unique accordion designed pad bar allows pickup of different colors from separate cliché supports then moves to the proper print spacing for 360° prints

- ▶ The powerful motors are brushless with lead nuts and ball screws mounted on bearings that ensure spot-on printing precision.
- ▶ 25% increase in speed when compared to the pneumatic models.
- ▶ Available with an additional cupslide to provide a second single color image of up to 1500mm.



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