

# KE13 Catheter Printer



## Fourteen Color Circumferential Catheter Printer

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*Engineered Printing Solutions* has been working closely with medical device manufacturers and their outsourcing partners in developing new custom automation techniques for difficult-to-mark medical implements for over 30 years. As the leader in medical device printing, they continue to revolutionize the medical marking process by progressively expanding the advanced printing solutions they offer. Engineered Printing Solutions most recent medical advancement is a fourteen color KE13 servo driven circumferential catheter printer.

Our engineering team re-designed a standard KE13 pad printer with both Y- and Z- axis servo drives. The Z-axis servo (vertical stroke) allows for various diameter tube 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 tube is ready for printing.

The catheter bed is positioned with a two position pneumatic actuator which allows a position for ease of load. Once the bed is loaded the pneumatic actuator will move back into position for printing. This is out of the reach of the operator. Immense compression capability allows for compression of 2 linear pads in access of 1,000mm long. The pads fan out pneumatically allowing for sufficient spacing between each pad to accommodate possible pick up of 13 colors. The adjustable vacuum control provides ample suction for holding each tube diameter and length so you can properly register the second hit for circumferential print up to 13 colors.. 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. This allows for faster product changes and reduces setup time by as much as 90%.

For information about *Engineered Printing Solutions* custom solutions, standard pad printers, industrial ink jet, consumables and other auxiliary equipment, visit [www.epsvt.com](http://www.epsvt.com), email [info@epsvt.com](mailto:info@epsvt.com) or call 1-800-272-7764.

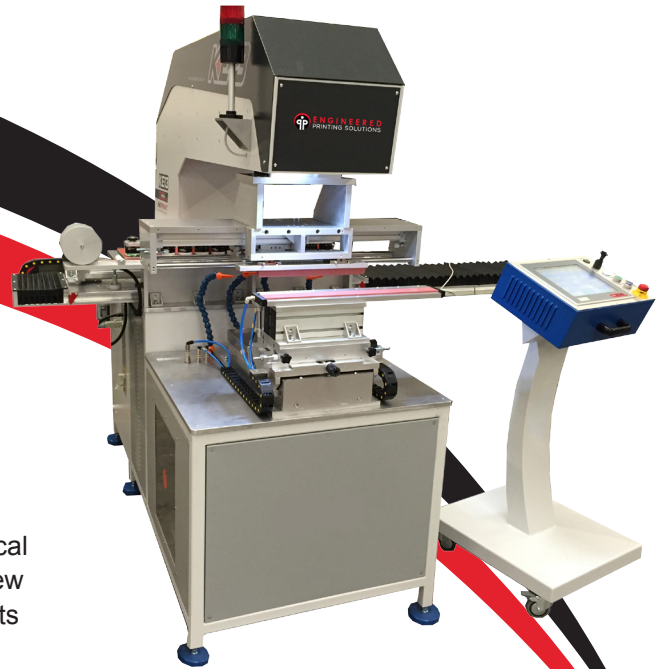


Fig. 1 – Two axis servo-driven pad printer for circumferential printing

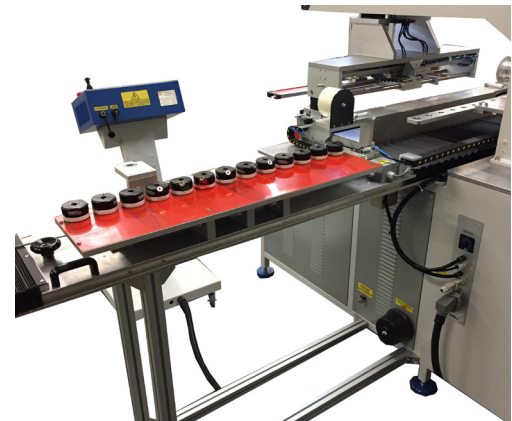


Fig. 2 – Both cliché supports are mounted to a single sub plate that slides out of the machine on linear guide rails for ease of change over

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