

Custom Automation



- ▲ Standard machines can be customized with automation including bulk loading, pre-treatment and auto-on / off-loading.

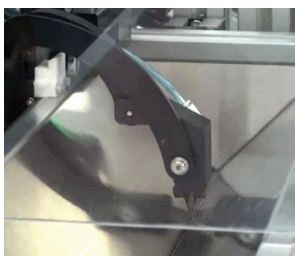


- ◀ **Bowl Feeder**
Custom-designed specifically for the part — flows directly into the print production line smoothly and efficiently. Sorts, orients and feeds parts for printing.



- ◀ **In-Line Corona Device**
A plasma discharge for pre-treatment of print surfaces, including 360° treatment for medical tubing.

- ▶ **Automatic Picker**
Auto-load and off-load devices are fully programmable through the touch screen control panel.



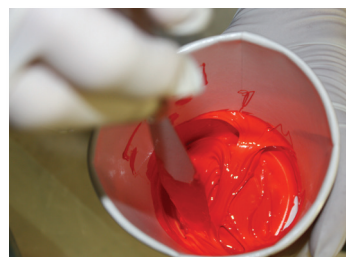
Custom Pads



- ◀ **Custom pads** are available in any length, size and shape. It is important to choose a pad shape that will achieve a "rolling" action when the ink is both picked up and deposited on the substrate. Pads have aluminum bases for clean room applications.

Class VI Inks

- ▶ Two different inks in three different colors have been certified for medical use by nationally recognized testing laboratories.
- ▶ If you have a custom ink application, we can help you through the certification process.

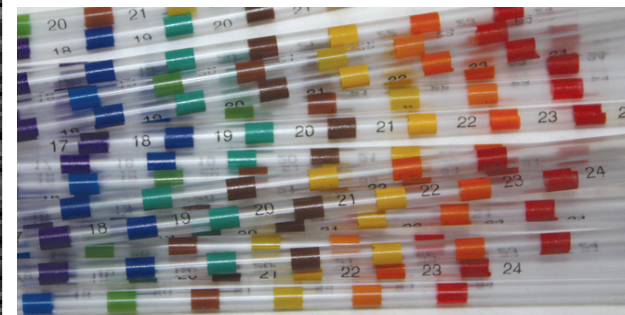


Our **Sales Team** has one focus — **you**.
From the first phone call through machine development, testing, shipping and on-site training, we guide you through the process.



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For the past 20 years, we have been working closely with medical device manufacturers and their outsourcing partners in developing new techniques and custom automation for difficult-to-mark products.

Our 360° catheter printers can print multiple colors and markings on the outer circumference of tubes or catheters as long as 1600mm in length and as narrow as 0.254mm.

We've also custom-designed pad and inkjet printers for test strip materials, specimen trays, optical lenses, several types and sizes of syringes with in-line pre- and post-treatment devices along with full automation capabilities.

It's not just that we sell great machines, we also have the software and technical expertise to provide custom solutions to the medical industry.

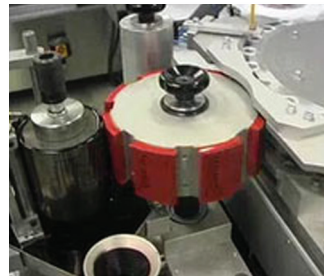
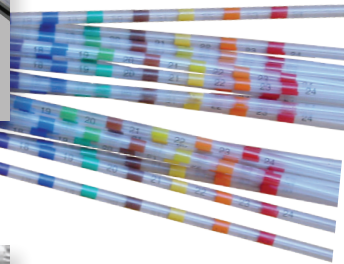
We can also help you through the FDA approval process by providing ink adhesion testing of medical grade inks, identifying pre-treatment and post-curing requirements, and providing printed samples for FDA testing and approval.



Custom Pad Printers

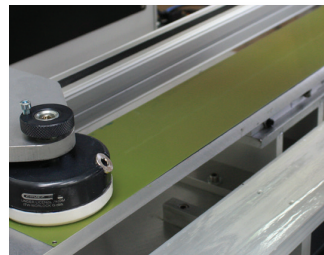


- Custom-built **catheter printers** with vacuum bed up to 1600mm in length. For marking on multiple sized tubes and catheters, a new two-axis servo-printer with both Y and Z axis programming.



- Rotary Pad Printer** has a drum-shaped pad that rotates with an opposing drum-shaped etched cliché. Ideal for vertical or horizontal printing on syringes.

Print on Longer Objects



- The **cupslide** allows for longer images to be printed as the sealed ink cup slides over the image lengthwise. Servo control allows you to use various length plates on the same printer.

Engineered Printing Solutions provides training, support and technical services - a complete turn-key solution

Flexibility of Digital

- The **XD070 Industrial Inkjet** is "image direct" from computer to part.
- Fine lines and details at up to 30 inches per second / 360 dpi.
- Continuous multicolor printing in a single pass.
- Ideal for flat and semi-flat surfaces for short or long runs with quick changeovers.
- Custom-designed inkjet printers for specific applications are also available.



Speed of Servo

- The **KE Series** machines can utilize a large cup size up to 250mm diameter with print areas up to 8" x 16".
- These machines offer a Windows®-based operating system that drives a servo controlled print head and conveyor unit.
- Store multiple programs for repeat jobs.



Direct to Plate

- Rapid Fire Laser Cliché Maker** produces direct to plate digital clarity without chemicals or film.
- Comes as a complete workstation, including PC, flat screen monitor and all integrated system and graphic software.

