



Innovative Laser Manufacturing for the Medical Industry



For over 25 years, SSDI has designed and built fully automated custom services for the most exacting tolerances and product flexibility for our customers in the medical and computer industries. The components produced by these automated systems have been manufactured to the highest quality standards, achieving Cpk values in excess of three on many characteristics. SSDI quality system is ISO 13845:2003 certified to further assure our customers the highest quality products.

We have developed long term customer relationships with major medical device companies because of our commitment to Quality, Service and Efficiency. Our team of professionals take pride in their problem solving abilities and look forward to working with you on your next challenge.



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Turning Visions into Reality for Over 25 Years







## PRECISION LASER MANUFACTURING SOLUTIONS

### QUALITY

"I'm impressed by the consistent quality of product produced by SSDI and by the outstanding service. Their quality, service and ability to reduce costs through automation made them the choice over the previous supplier."

Senior Buyer - Medical Device Manufacturer

Through our creatively designed, internally built and fully automated custom services, SSDI produces the exacting tolerances and product that our customers require. SSDI is ISO 13485: 2003 certified to further assure our customers the highest quality products.

Our dedication to quality and outstanding service are the reasons our customers continue to develop additional products utilizing our services.

### SERVICE

### EFFICIENCY

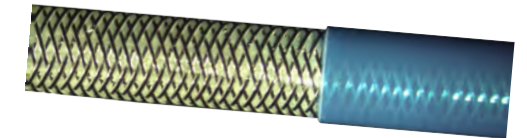


### Micro Laser Ablation



Precision slotting and turning operations on multi-lumen tubing can be accomplished on our proprietary automated systems. Multi-steps can be accomplished to various depths along the target area of the shaft without sacrificing quality.

SSDI's proprietary automated systems utilize the latest laser technology to accomplish ablation specifications with the highest precision and consistent repeatability.



Micromachining operations such as reducing a catheter or wire insulation diameter in select areas can be realized in lengths from .001 to greater than 30 cm.

### Laser Micro Drilling



Automated drilling of clean and burr free holes can be performed on a large variety of polymers without adversely affecting the quality of the product. These configurations can be held with excellent accuracy and repeatability using our multi-axis positioning systems.

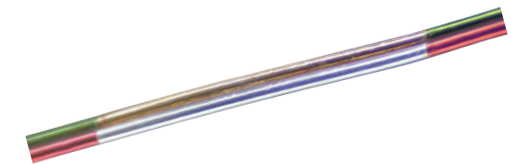
SSDI has outstanding micro drilling capabilities using automated systems incorporating non-contact, clean and high accuracy Excimer laser technology.



Hole sizes as small as .001 are routine. These holes can be made with custom shaped geometry in a wide variety of configurations while leaving the braid in the polymer materials intact.

We work with a wide range of Polymers including TFE, FEP, Polyimide, Polyethylene and Polyurethane.

### Micro Wire Machining



We have mastered the removal of insulation from fine wire as small as 50 gauge to wire ranging in fractional inch sizes.

