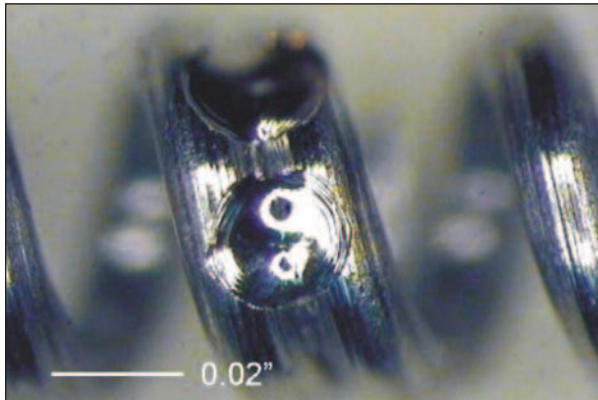
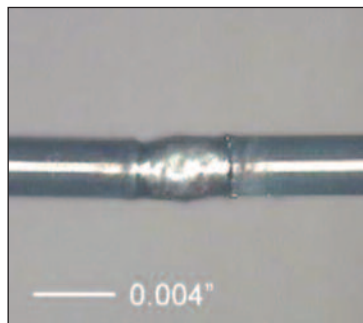


Welding Applications

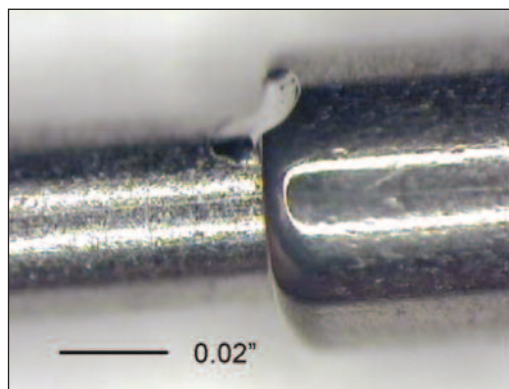
LW5AM micro-welder



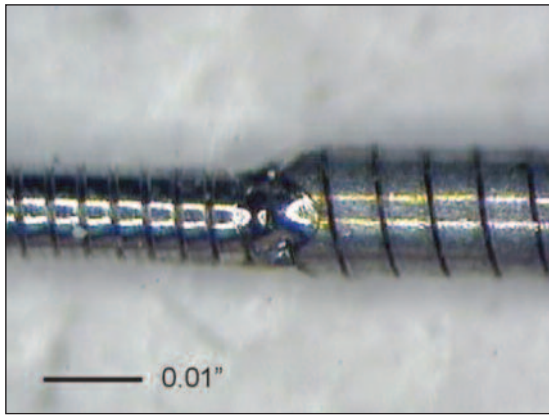
Application	Spring connect
Laser	LW5AM
Material	Stainless steel 0.02" dia.
Weld type	Butt
Focus head	CCTV 100mm
Fiber	200 SI
Penetration	0.01"
Spot size	0.02"
Pulse width	0.5 ms
Energy	0.25 J
Gas shroud	Argon



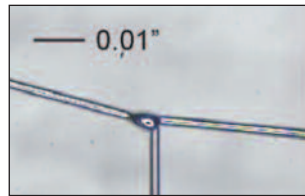
Application	Guide wire join
Laser	LW5AM
Material	0.004" dia. Nitinol
Weld type	Butt
Focus head	CCTV 70mm
Fiber	200 SI
Penetration	0.004"
Spot size	0.01"
Pulse width	0.35 ms
Energy	0.1J
Gas shroud	Argon



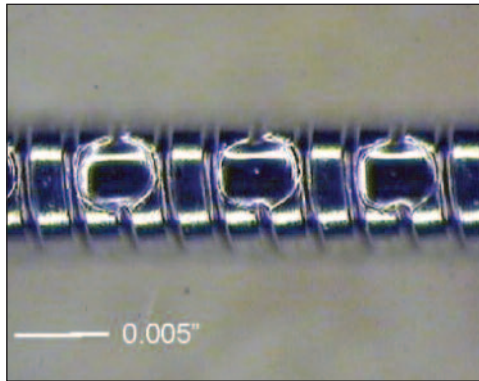
Application	Tube/wire join
Laser	LW5AM
Material	0.04" ID 304 Stainless steel tubing
Weld type	Lap
Focus head	CCTV 70mm
Fiber	200 SI
Penetration	0.01"
Spot size	0.02"
Pulse width	0.5 ms
Energy	0.2 J
Gas shroud	Argon



Application	Hypo tubing join
Laser	LW5AM
Material	304 stainless steel
Weld type	Fillet
Focus head	CCTV 100/70mm
Fiber	300 SI
Penetration	0.005"
Spot size	0.008"
Pulse width	0.5 ms
Energy	0.15 J
Gas shroud	Argon



Application	Wire join
Laser	LW5AM
Material	0.002" dia. 304 stainless steel
Weld type	Fillet
Focus head	CCTV 100/70mm
Fiber	100 SI



Application	Coil joining
Laser	LW5AM
Material	304 stainless steel
Weld type	Butt
Focus head	CCTV 100/70mm
Fiber	200 SI
Penetration	0.002"
Spot size	0.005"
Pulse width	0.3 ms
Energy	0.25 J
Gas shroud	Argon



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