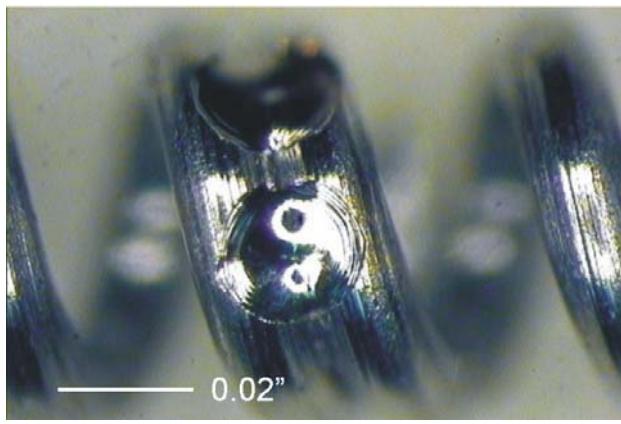
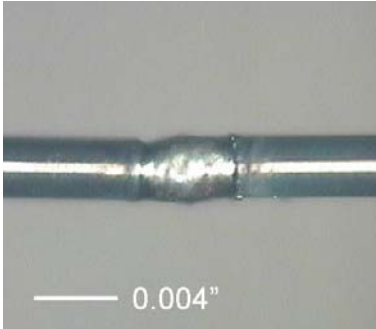
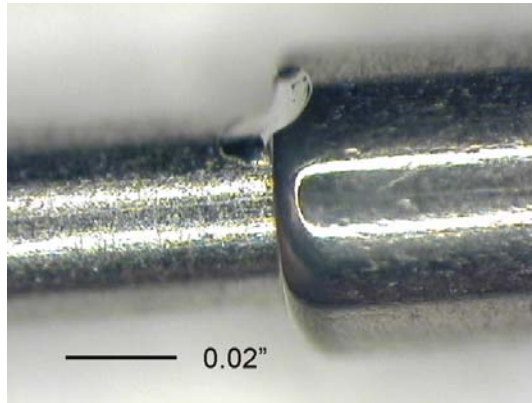


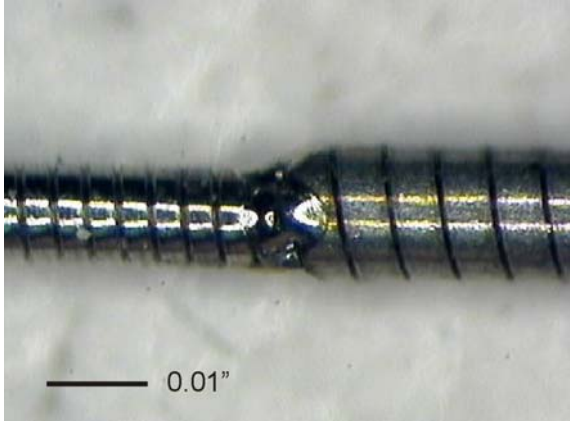
Welding Applications

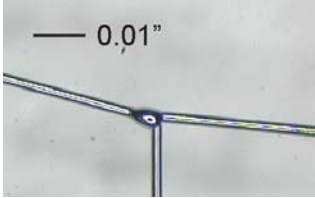
LW5AM micro-welder

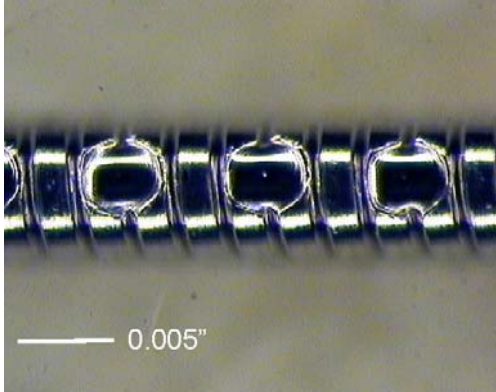
 <p>A close-up photograph of a micro-welded spring connect. The image shows two cylindrical metal components joined together. A scale bar at the bottom left indicates 0.02 inches.</p>	Application	Spring connect
	Laser	LW5AM
	Material	Stainless steel 0.02" diameter
	Weld type	Butt
	Focus head	CCTV 100mm
	Fiber	200 SI
	Penetration	0.01"
	Spot size	0.02"
	Pulse width	0.5 ms
	Energy	0.25 J
Gas shroud	Argon	

 <p>A photograph showing a micro-welded guide wire join. Two thin wires are joined together in a butt configuration. A scale bar at the bottom left indicates 0.004 inches.</p>	Application	Guide wire join
	Laser	LW5AM
	Material	0.004" diameter 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	

 <p>A photograph of a micro-welded tube/wire join. A wire is inserted into a tube, and they are joined together. A scale bar at the bottom left indicates 0.02 inches.</p>	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" diameter 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	