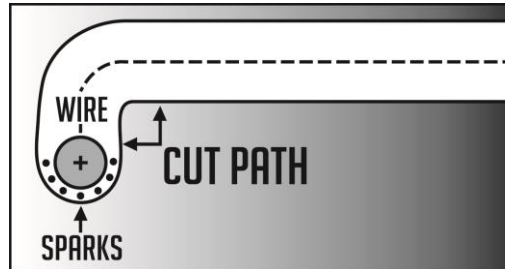


Electrical Discharge Machining Services

Electrical Discharge Machining (EDM) uses electrical current to cut or burn through conductive materials. It has many advantages over traditional machining methods. EDM makes it possible to cut hardened metals, small and complex shapes, and produce consistently accurate parts faster. It can do all of this without adding stress to the part because the wire never touches the work. When it gets close, the spark jumps the gap to erode the material.



At Superfine, we offer the latest generation of Fanuc Wire EDM. Our machines are housed in a clean, temperature controlled facility completely separate from all of our other manufacturing processes. This improves our ability to consistently hold tolerances of ± 0.0002 (and better). All of our machining is done cost-effectively to the tolerances you require. Fanuc machines are known to have the most reliable auto-threading in the industry which gives us the best formula for successful “lights out” machining.

Since 1986 we have been providing quality services to our customers. For us quality is more than just meeting industry standards. It's the way we do everything, including how we maintain our machines. The first Wire EDM we bought 15 years ago still produces very accurate parts.

For more information about our EDM services, please see the details below or contact Superfine today.

Phone 330-897-9024 • Fax 330-897-8014 • Email: info@superfineinc.com

EDM Processes	Wire Cutting Small Hole Drilling “Hole Popping”
Equipment	Fanuc Robocut α -0iA Wire EDM (CNC) Fanuc Robocut α -C600iA Wire EDM (CNC) P/E Drillmate 20 (Manual)
Maximum Table Travel	23.6” x 15.7” (600mm x 400mm)
Maximum Work Piece Size	44” x 32.3” x 12.2”
Part Weight	1,000 lbs
Surface Finish	15 μ in Ra
Tolerances	Easily achieves ± 0.0003 ” Up to ± 0.0001 ”
Additional Info	0.000004 Glass Scales Taper Capabilities (up to 10° regularly) 16° at 12” tall 30° at 6.4” tall 45° at 3.5” tall Wire Diameters 0.010 used on regularly 0.008 and 0.004 available upon request
Lead Times Available	1 Week Average

	Quoted on job by job basis Rush Services Available
Production Volume	Intricate Prototypes Low Volume Production Job Shop Services
Inspection	Gage Blocks 0.00005 Indicators Optical Comparators Dial Bore Gages Micrometers Gage Pins
Materials	Specialties: Tool Steel Tungsten Carbide Can also cut: Aluminum Brass Copper Stainless Steel Anything that conducts electricity!
Industry Focus	Aerospace Medical Tool & Die Prototype Automotive Electronics
Industry Standards	ANSI American National Standards Institute ASME American Society of Mechanical Engineers ASTM American Society for Testing and Materials ISO Compliant International Organization for Standardization Mil-Spec Military Specifications
Cutting Axis	4 & 5 Axis
CAD / CAM Systems	AutoCAD VISI-PEPS
File Formats	Parasolid DWG & DXF Solid Works STEP IGES CATIA v4 & v5 Pro-E UG Solid Edge ACIS STL VDA files