

Case Study- CTS wire EDM

Electrical Discharge Machining

1. CTS provide a world class wire erosion service with 5 wire EDM's working around the clock.
2. Our wire EDM's are capable of producing accuracy as low as $\pm 0.005\text{mm}$!
3. Our wire EDM collection has grown over the last 20 years starting with just 1 machine in 1999.
4. With several of our staff dedicated to wire erosion, we run all machines constantly.



0.25mm wire

Complex profile

5. Wire erosion works on all conductive materials.
6. Wire EDM is an electro thermal production process where a thin single strand metal wire, along with de-ionised water (used to conduct electricity) allows the wire to cut through metal by the use of heat from electrical sparks.
7. This method of machining allows us to make parts with extremely complex shapes that would otherwise not be possible.