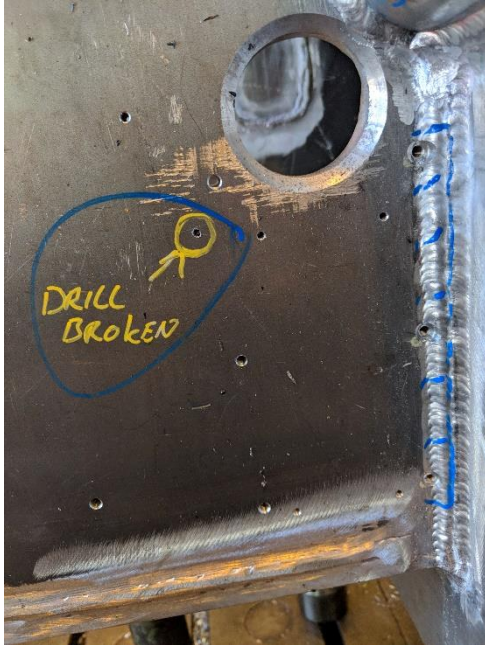


## Case Study: Spark Eroding snapped drill out of Aluminium Profile



A customer approached us to remove a snapped 3.3mm High Speed Steel drill bit out of an aluminium workpiece. Due to the size and urgent nature, the customer did not want to move the workpiece from its current operation on a horizontal machining centre, as such ASAP Power had to deploy our mobile spark eroding solution to site.

ASAP Power staff used a customized set-up for the non-ferrous job consisting of a XY cross table bolted onto the workpiece and a modified magnetic base used to guide a custom made electrode into the workpiece.

The electrode required customization as for a 3.3mm drill a 1.5mm round hollow copper electrode was required. However, due to the horizontal orientation this was subject to high oscillations and electrode sagging. To compensate for this we used a 3.0mm electrode with a 1.5mm tip protruding only 50mm.



The end result? The drill was removed successfully with no damage to the workpiece.

### Contact Us

The eromobil is available for sale and hire from ASAP Power and is capable of eroding most conductive materials from diameters 1-40mm.

Contact us today to discuss your specific requirements:

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