



ADVANCED CHEMICAL ETCHING LTD

# FORMED PARTS



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*Advanced Chemical Etching (ACE) partners with our sister company, ACE Forming, to manufacture formed precision metal components by employing, and sometimes combining, chemically etched, pressed, wire eroded, water jet, and laser-cut blanks.*

Our separate factory features its own toolroom and offers *precision forming, CNC machining and turning, miniature spot welding, mechanical assembly, soldering and tape and reel packaging solutions.* ACE Forming is an experienced and technically capable *supplier of prototypes through to production volumes of precision metal components* to high-profile customers within the *automotive, aerospace, electronics, general engineering, medical and telecommunications sectors.*

### WHAT MAKES ACE FORMING DIFFERENT?

In these industry sectors we combine *innovative engineering problem solving and solutions with core manufacturing principles to produce high-quality parts that can withstand extreme conditions.* From aircraft and high-performance vehicles to mobile phone masts and smoke alarms, *ACE Forming produces high-performing parts formed to precision to meet consumer needs.*

Our expert team can manufacture parts from 0.01mm to 6mm thickness in all types of metals and exotic alloys, ranging from 1-off prototype components to batches in the thousands. *The extensive product range varies from antennas, busbars, and bespoke contacts/connectors to pump shells, wax nozzles, and lead frames,* all of which can be produced in metals ranging from *mild and stainless steel, copper, brass, phosphor bronze to beryllium copper, titanium and molybdenum.*

### BENEFITS OF THE ETCHING PROCESS

- » **TECHNICAL EXPERTISE** – Adding value to the design, prototyping, and manufacturing process
- » **SPEED** – Prototypes will be made accurately and timely for marketing release
- » **PROBLEM SOLVING** – Proven track record for solving complex manufacturing issues
- » **CONTROL** – All tooling is made in-house
- » **FAST TURNAROUND** – Orders can be processed and produced within days of being placed
- » **THICKNESS** – From 0.01mm to 6mm
- » **ONE STOP SHOP** – Every aspect of your order is handled in-house

*Contact ACE today on +44 (0)1952 416 666 to find out what we could produce for you – whether it's 1s or millions.*

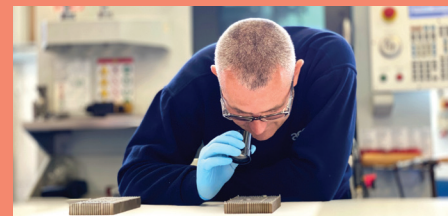
## TYPICAL ETCHED COMPONENTS

- » Antennas
- » Busbars
- » Contacts/Connectors
- » Pump shells
- » Wax nozzles
- » Lead frames



## METALS

- » Stainless Steel (all medical grades)
- » Titanium (all alloys)
- » Molybdenum
- » Copper
- » Beryllium Copper
- » Brass
- » Phosphor Bronze



**A PROCESS OF INNOVATION**