



EL-Cut

High Precision Cutting Pliers

EL-CUT High Precision Cutting Pliers

Accuracy and reproducibility of electrochemical tests depend not only on the choice of materials, but also on simple geometric / mechanical parameters. One sometimes neglected factor is the proper cutting of the electrodes. Torn and chipped electrode edges, even when not seen with the naked eye, inevitably cause current inhomogeneity and are thus likely to affect experimental results. Especially cycle life and impedance results are prone to such artefacts.

Electrodes cut by conventional punching (stamping) with only one punch force show chipped edges and are not flat. In contrast, electrodes cut with the EL-CUT are produced with three active forces and in tools with a few microns cutting clearance. This high precision cutting process results in electrodes with clean cutting surfaces with no torn or chipped edges and being almost perfectly flat.

Features

- Highly precise and flat electrodes without torn and chipped electrode etches
- 18 mm diameter standard electrode size
- 3 ... 300 microns electrode thickness
- Other electrode sizes and shapes / patterns on request

For more information
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