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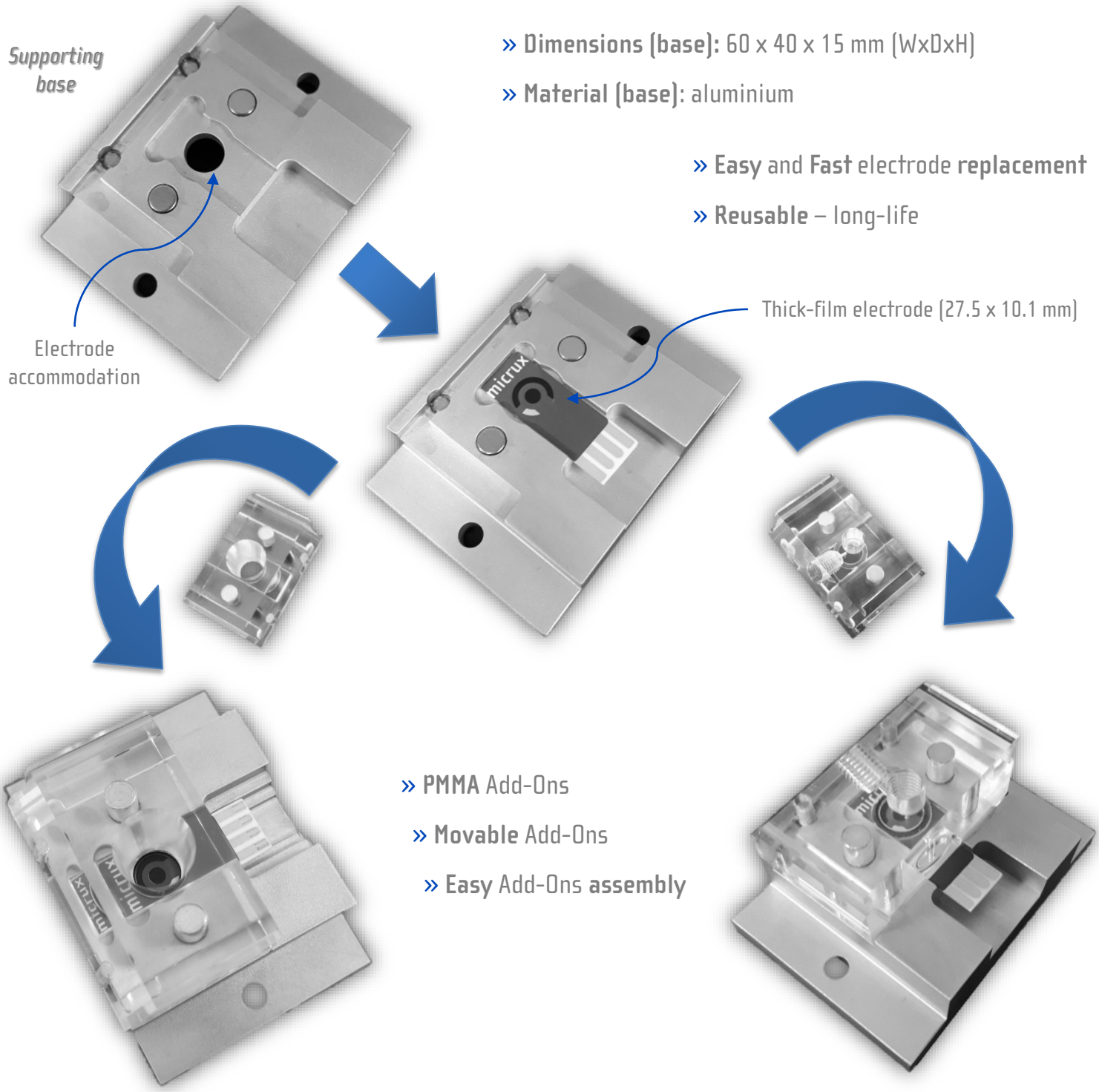
All-in-One SPE platform for thick-film electrodes

All-in-One SPE Platform

The **All-in-One SPE cell** (*Ref. ED-AIO-SPE-CELL*) provides an **unique multipurpose** interface with **movable add-ons** that can be easily **interchanged** for using the standard *thick-film electrodes* supplied by MicruX Technologies.

» AIO-SPE-cell general features

The **AIO-SPE-cell** enables the use of the thick-film electrodes in **static** (*Batch-cell*) or **dynamic** (*Flow-cell*) conditions, fulfilling the requirements of **multiple** electroanalytical **applications**.



» **Dimensions (base):** 60 x 40 x 15 mm (WxDxH)

» **Material (base)**: aluminium

» **Easy** and **Fast** electrode **replacement**

» **Reusable** – long-life

» **PMMA** Add-Ons

» **Movable** Add-Ons

» **Easy** Add-Ons **assembly**

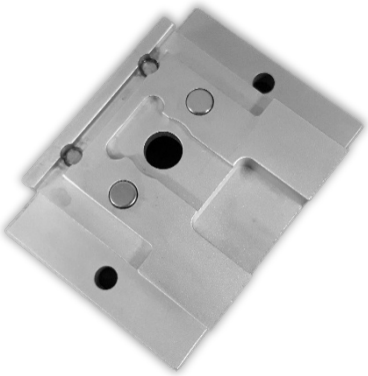
BATCH-CELL

FLOW-CELL

All-in-One SPE Platform

The All-in-One (SPE) cell is provided in two basic versions, the *supporting base + one add-on* (*Ref. ED-AIO-SPE-CELL-1x*) or the *supporting base + two add-ons* (*Ref. ED-AIO-SPE-CELL-2x*).

» AIO-cell specific Add-ons features



The AIO-SPE cell consists of a supporting base containing the accommodation for placing the standard *thick-film electrodes* (27.5 x 10.1 mm). The supporting base also includes the basic assembly parts for the different add-ons.

» Batch-cell Add-on

The batch-cell add-on enables the use of the standard (27.5 x 10.1 mm) thick-film electrodes in applications (batch analysis, standard additions, etc...) in which are required larger sample volume up to 1 mL.

» Flow-cell Add-on

The flow-cell add-on enables the use of the standard (27.5 x 10.1 mm) thick-film electrodes as EC detection system in flowing liquids such as FIA, HPLC, CE, etc...

» Wall-jet based flow-cell. The inlet flow is perpendicular to the working electrode surface.

» Standard fluidic ports (¼ " - 28 UNF) with inlet channel of 0.8 mm I.D.

» Low dead-volume (internal volume <5 µL). The cell volume is limited by an O-ring (8 mm I.D.).

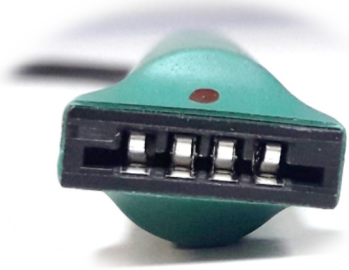
» High sensitivity electrochemical measurements.

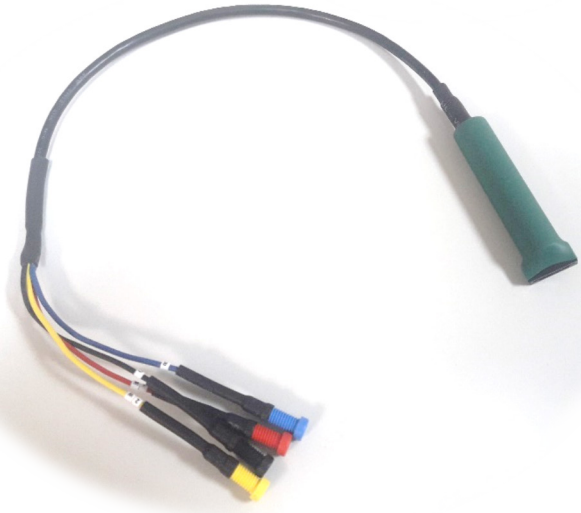
» Low sample requirements (microvolume < 100 µL).

» AIO-SPE-cell interfacing

A universal CABLE connector *(ref. ED-SPE-CABLE)* is supplied with the AIO-SPE cell. The cable enables the interface between the electrodes (up to four contact pads) with the potentiostat.

» CABLE connector





The cable ends are available with **2 mm female or male bananas.**

Plug to instrumentation may be available in other format under previous request.

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