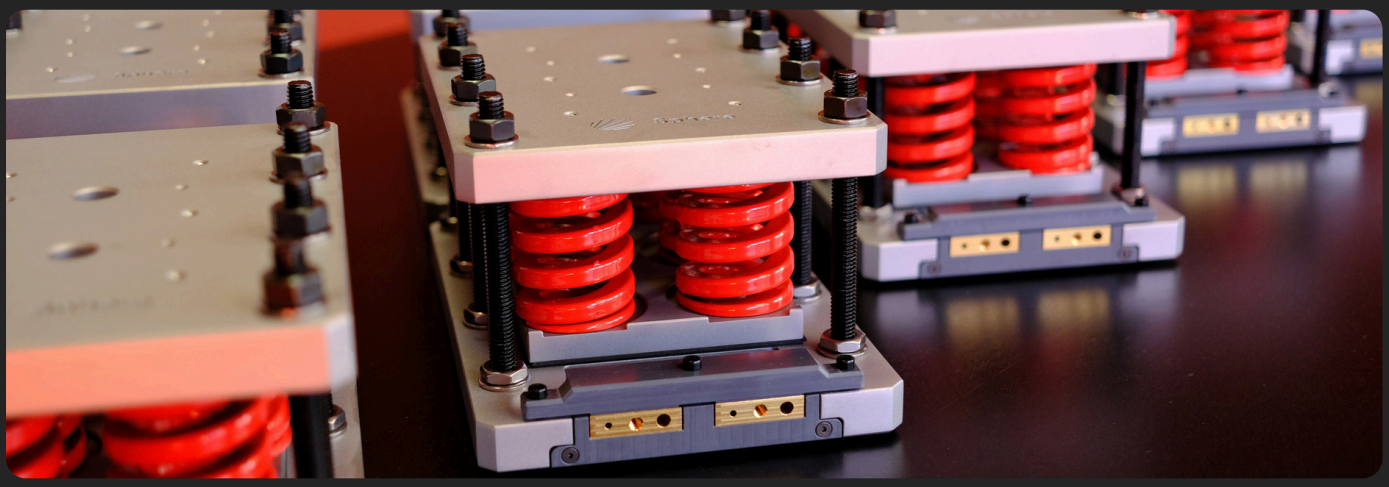
custom jigs, fixtures and test setups

Your cell doesn’t fit the standard line? We adapt it.

We don’t start from a blank page. Most custom requests begin with an ASC cell, frame or sensor we already make, then we change what your cell needs: the size, the sample holder, the force range, the connectors. You get a setup that fits, built on parts already proven in labs around the world.



24 h	1 to series	5 formats	24 months
first feedback on your brief	from a single prototype to batches	pellet, coin, pouch, cylindrical, prismatic	warranty on every setup

when clients come to us

01
The cell is a different size
A bigger pouch, a prismatic or cylindrical cell, a pellet outside 8 to 14.5 mm. We resize the plates, pistons and sleeves.

02
They need many identical units
Ten or a hundred test channels, several sites. Every jig is built the same way, so the data can be compared.

03
They want more data from the test
Pressure, swelling or temperature added to an existing protocol, recorded next to the voltage on their cycler.

modules we reuse from the ASC line

Pressure
Fixed thickness, fixed force via springs, or dynamic pressure, up to 20 kN.

Swelling
Multi-point displacement sensing, sub-micron: 1 µm precision, 0.1 µm resolution.

Mapping
Up to 56 pressure and temperature points across the cell surface.

Temperature
Heated fixtures, thermocouples and control boxes with programmable PID.

how it works

Start from what exists, change what's needed

01
Brief
Send a drawing, cell spec or test protocol. First feedback within 24 hours.

02
Design
We pick the closest ASC setup and show you what we'd change, with a quote.

03
Prototype
We build one unit and check it with you on your cells.

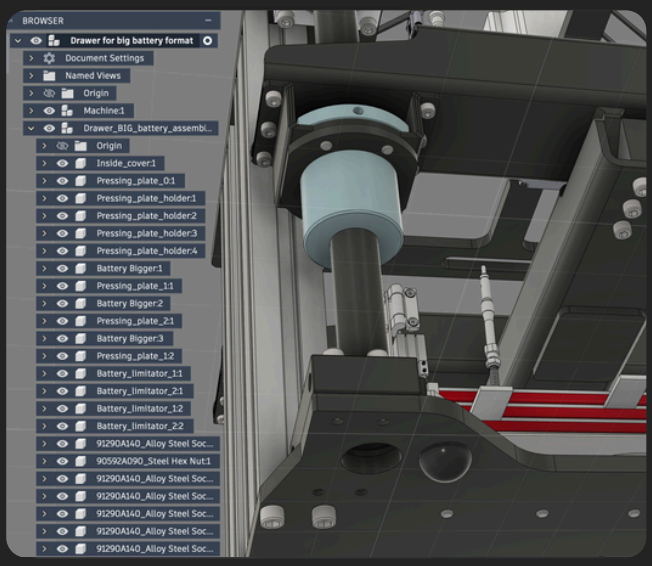
04
Series
Once it works, we build as many as you need, all the same.

what we build

- Compression jigs and cell holders for any format
- Fixtures with pressure, swelling and temperature sensing
- Multi-cell racks for high-throughput test channels
- Complete test setups wired for your cycler or potentiostat
- Adaptations of ASC cells to your sample size or environment
- Series production of proven designs

any cell format

pellet · coin · pouch · cylindrical · prismatic · solid-state



what makes the difference

Not from scratch
We adapt the ASC line: the same frame, control boxes, swelling and mapping sensors already used in 35+ published studies. Less risk, faster delivery.

Easy to use, in the lab or on the line
Simple assembly, few tools, fits a glove box. Analog output works with the cycler, potentiostat or software you already have, in a research lab or an industrial test bench

One jig or a batch
Our supplier network lets us make a single prototype or a full batch with the same quality.

Confidential
Your drawings stay yours. We can sign an NDA.

Made in France
Every setup is validated before shipping and covered by a 24-month warranty.

Support after delivery
When your protocol changes, we add sensors or swap springs and sleeves instead of building a new setup. Answer within 24 hours.

to get a first answer in 24 hours, send us

Cell	format, dimensions, tab position, chemistry
Test conditions	pressure or force range, mode (fixed thickness / fixed force / or hybrid), temperature control
Data	what to measure: pressure, swelling, mapping, temperature, gas
Lab setup	cycler or potentiostat, glove box constraints, quantity needed

Send us a drawing or a cell spec. First feedback within 24 hours.

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