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Sonosystems®

ultra fast. ultra strong. **ultrasonic.**
#BatteryWelding

WELD SMALLER

PRECISION ULTRASONIC WELDING FOR THE SMALLEST CONNECTIONS.



SonoPACE combines precise motion and force control with an electromagnetic voice-coil drive to keep the process dynamic, controlled and gentle on the component. The smaller the connection, the harder it becomes to control the welding process.

Bring us your smallest welding challenge!

What changes for you?

- **Weld smaller:** Micro-weld ultra-fine wires, magnet wires and thin foils – even dimensions finer than a human hair.
- **Stress less:** Precise force and motion control minimizes mechanical load on sensitive parts and avoids breakage.
- **Integrate faster:** Compact, modular architecture for laboratories, machines, robotic cells and automated production systems.
- **Join more:** Process demanding material combinations such as aluminum/copper and nickel-plated surfaces.
- **Reduce steps:** Position and weld in one process. Simplify handling and eliminate unnecessary process steps.
- **Know every weld:** Comprehensive process monitoring, data acquisition and interfaces create transparency from sampling to series production.

PACE is not just a name:

- **P** Precision
- **A** Automation
- **C** Compact
- **E** Electromagnetic

Turn over for the good stuff

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Built for battery connections

SonoPACE is designed to fit into your production environment – not the other way around.

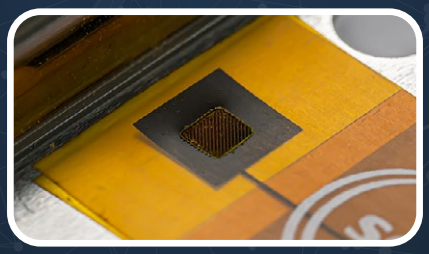
- **Compact architecture:** More freedom when installation space is limited.
- **Modular configuration:** Build the welding setup around the application.
- **Machine and robot integration:** Designed for automated manufacturing environments.
- **Position + weld:** Combine two tasks in one controlled process.

Built for demanding applications

SonoPACE brings controlled ultrasonic welding to demanding cell interconnection processes, especially where material thickness, component sensitivity and limited installation space leave little room for error.



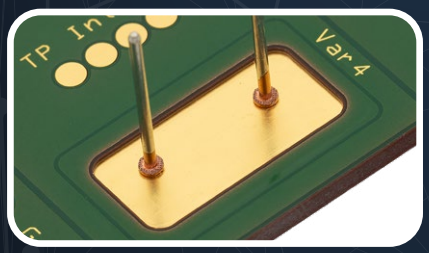
Cell interconnection
Precise joining of sensitive electrical contacts.



Sensor welding
Controlled connections between sensors and cell contacts.



Al/Cu combinations
More freedom for demanding conductive material pairings.



Plated surfaces
Process options for applications including nickel-plated surfaces.



Series production
Process-data transparency and interfaces for automated manufacturing.

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