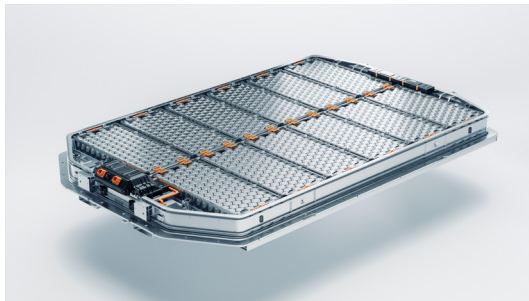
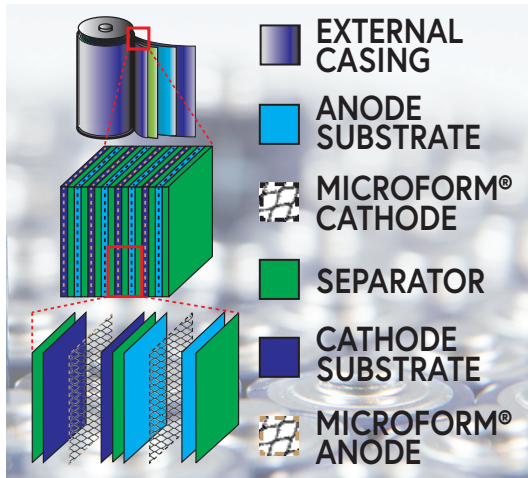


MICROFORM®

EXPANDED METAL FOR BATTERIES



For precision-engineered applications that require a light mesh, Wallner Expac manufactures customized **Light Gauge MicroForm®**.

- ◇ Specifically engineered for use as battery foils:
 - Primary & Secondary Batteries
 - Fuel Cells
 - Electrolyzers
- ◇ Ensures the transmission of protons from the anode, driving the electrons via a conductive route through the substrate membrane to the cathode.
- ◇ Strong enough to support the application of the substrates during the manufacturing process.
- ◇ On-site equipment for:
 - Precision Inspections
 - Resistance Testing
 - Tensile Strength Testing
- ◇ Ready for spot welding.
- ◇ Versatile and environmentally friendly, MicroForm® is manufactured to your specifications.

SERVICES AND CAPABILITIES

MicroForm® is manufactured to precise specifications in our ISO-9001, U.S.-based plants. Our scalable manufacturing lines and responsiveness allow us to rapidly create product with tunable parameters, including specific weight and open area, to meet demanding customer specifications.

Our on-site tooling facilities fully support manufacturing with services including wire EDM, surface and OD grinding, CNC machining, lathes, radial drills, precision inspection equipment, and engineering and design.

LIGHT GAUGE MICROFORM® PARAMETERS

- ◇ LWD from 0.040"-0.125"
(1,016 µm-3,175 µm)
- ◇ Minimum Raw Gauge: 0.002" (50.8 µm)
- ◇ Metals: Aluminum, Copper, Nickel, Stainless Steel
- ◇ Services Include: Annealing, Stamping, Forming, Flattening, Anodizing, and more.

MISSION-CRITICAL BATTERY TECHNOLOGY USES FOR MICROFORM®

- ◇ Aviation— engine start-up, avionics, and auxiliary power units
- ◇ Military— infantry communications, UAVs, vessels, vehicles
- ◇ Aerospace— GEO telecommunications, GPS, Low/Middle Earth defense satellites

ADDITIONAL USES FOR MICROFORM®

- ◇ Microfiltration
- ◇ Lightning Strike Protection
- ◇ Fuel Cells & Electrolyzers
- ◇ Acoustics
- ◇ Air Bag Filters
- ◇ EMI/RFI Shielding
- ◇ Speaker Grilles
- ◇ Food Processing
- ◇ Arts & Crafts



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