

With Blue-IR Hybrid laser, Providing total solutions on laser welding for e-Mobility components

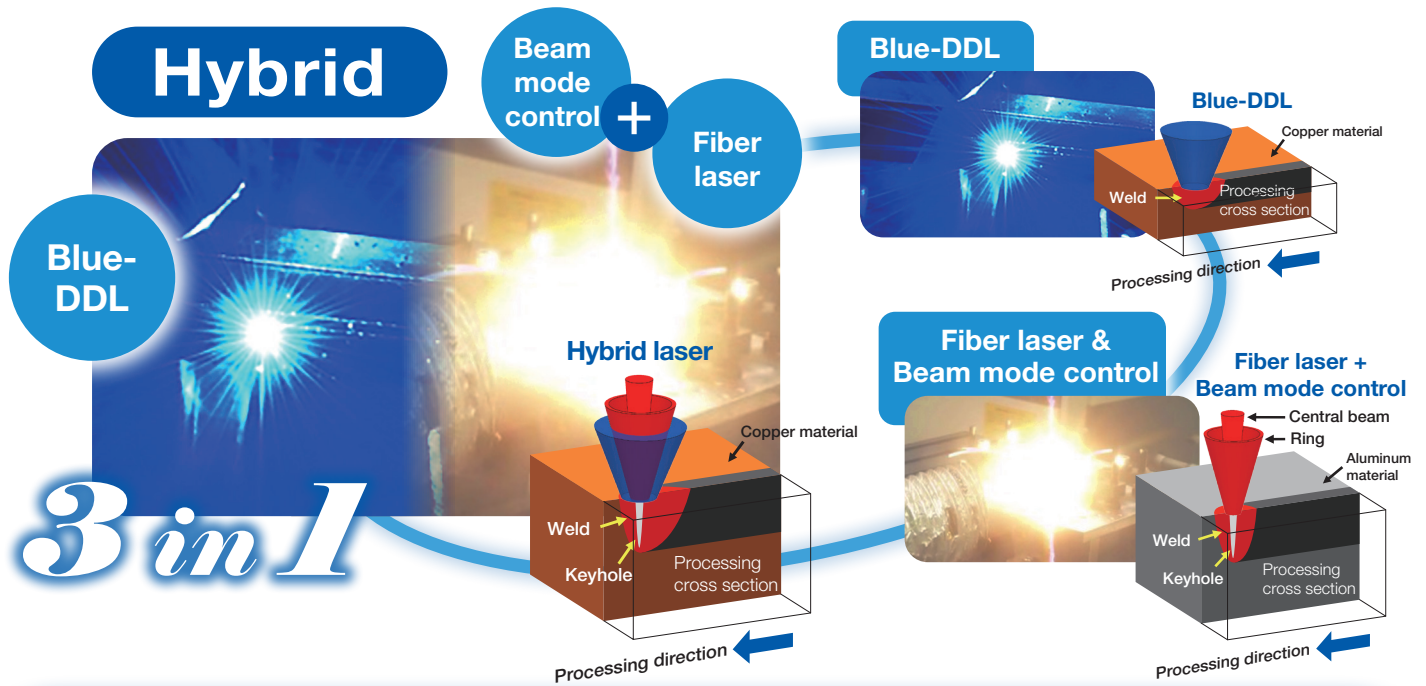
Blue-Direct Diode Laser (DDL), that is capable of a stable heat input with a high absorption rate for copper

Fiber laser, that is capable of achieving a deep penetration

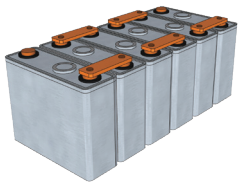
The combination of these two beams with a Galvano Scanner, achieved a high-speed and high-depth welding for various applications

BRACE™ **X**
Blue-IR Hybrid laser

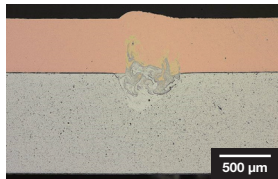




Fiber laser

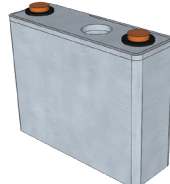


Lap welding of copper and aluminum is available

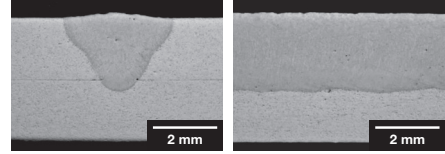


Highly reliable welding is achieved

Fiber laser



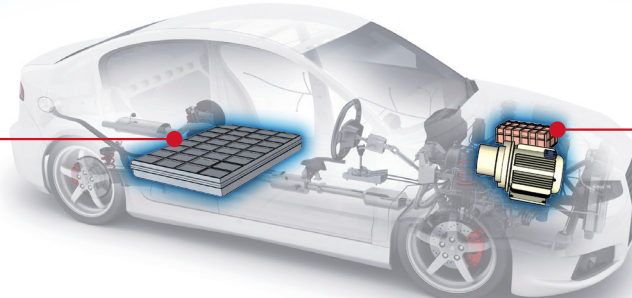
Blowhole-less aluminum welding is possible



Weld cross section Weld longitudinal section

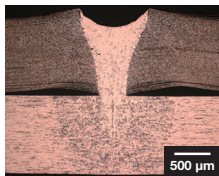
High-reliability is achieved

Lithium-ion battery module
■ Busbar welding



Electric-axle (motor, inverter)
■ Motor magnet wire welding
■ Busbar welding

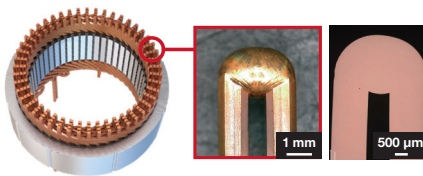
Hybrid



Welding of copper foil and copper plate
100 sheets of foil can be welded

Downsizing and capacity enhancement in lithium-ion battery is available

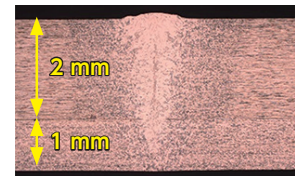
Hybrid



Rectangular magnet wire for SC-type motor can be welded in 0.1 sec / point

Heat-affected zone can be reduced by reducing the input energy

Hybrid



Lap welding for busbars

Pure copper with over 2 mm of thickness can be welded

Can be applied for xEV that requires a large current

