For the Power Semiconductor Industry

Laser Annealing Equipment

R&D | FS/Demo | **Product/ Service**

Sumitomo Heavy Industries Material Solutions Co., Ltd

- Our laser annealing equipment is used as a key component in the power semiconductor production process.
- Heat treatment using a laser beam is performed on thin (approximately 100 μm) silicon and SiC wafers to enhance the performance of power semiconductors.
- Power semiconductors are crucial components used in equipment that controls motors “efficiently” and “without loss”.
- They are widely used as key devices in BEVs, PHVs, HEVs, and other electric vehicles, and they contribute to **energy conservation and electricity savings around the world**.
- Through our customers’ products (power semiconductors) manufactured using our products, we are contributing to a reduction in electricity consumption and global **CO_2 emissions, as well as global warming mitigation initiatives**.

Laser annealing equipment:
SWA-20US/ SWA-22USH

Carbon Neutral Contribution points

- ✓ **Global energy conservation and electricity savings**
- ✓ **Contributing to a reduction in CO_2 emissions and global warming mitigation initiatives**

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