

FRAUNHOFER ILT

1. Lasersymposium Elektromobilität – 20. Februar 2019

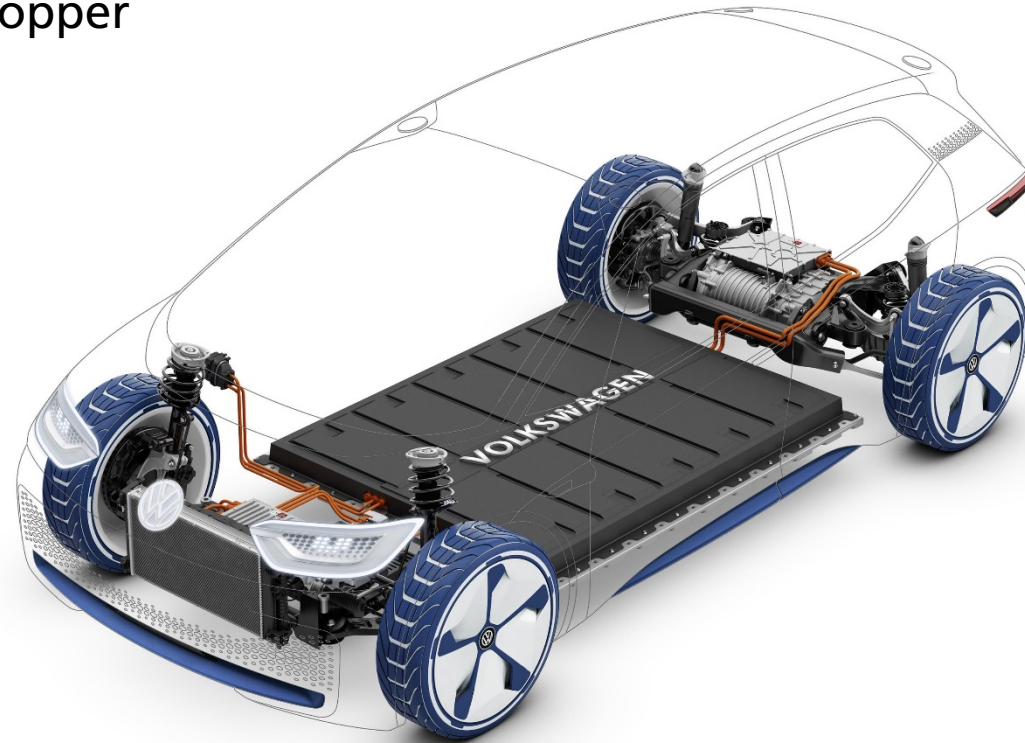


Laser Applications in Electro Mobility

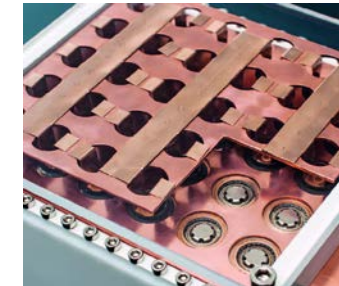
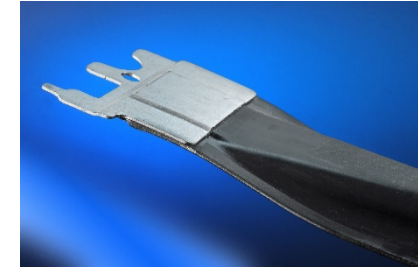
Laser joining for high power electronics, e.g. copper



Laser cutting and welding for electro motors, e.g. hairpin



Laser processing for lightweight components



Laser cutting, modification and welding for batteries

Source: Volkswagen, Trumpf, ILT

Laser Processes and Topics in Electro Mobility

Flexibility

Automation

Laser Wavelength

Laser Drilling

Process Chains

Quality

Laser Cleaning

Reliability

Process Stability

Laser Cutting

Soldering

Materials Modification

Laser Welding

Battery Design

Laser ablation

Traceability

Materials

Laser Drying

Process Control

Systems and Components

High Power Electronics

Laser Packaging

Save the Date

SAVE THE DATE

LSE 2020 LASERSYMPIOSIUM ELEKTROMOBILITÄT

12.–13. FEBRUAR 2020

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