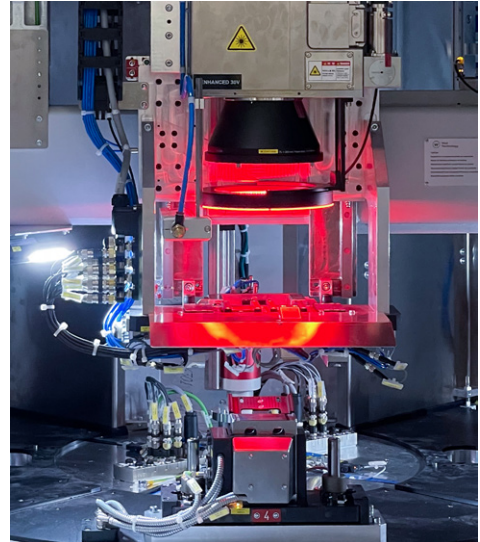
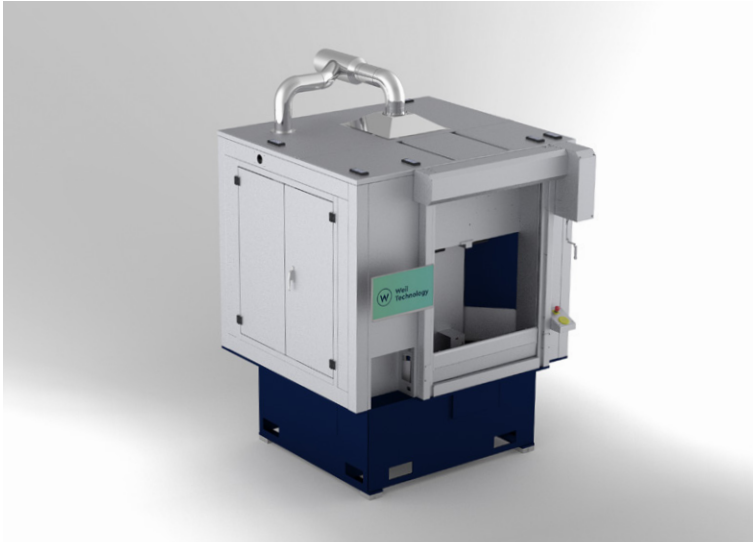


Innovative manufacturing solutions for economical cell contacting of battery modules



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More and more power tools and gardening equipment are being built with compact and lightweight battery systems thanks to new battery technologies. Without cables to the power socket, they can thus be used on the move and enable efficient, ergonomic work. In manufacturing, laser welding is used in the assembly of battery modules, especially for cell contacting. The contacting of battery cells by laser is characterized by high reliability and low costs per cell.

Efficient laser welding of cell contacts for small to medium quantities

Weil Technology's Laser Welding Cell (LWC) for cell contacts with four stations enables process-parallel loading and unloading as well as high flexibility for geometric contour changes thanks to its innovative scanner optics with vision system. Optionally, the system can be operated manually or automatically in order to map different piece count scenarios. In addition, further process steps such as assembly of add-on components, DMC labeling or housing welding can be integrated into the system. We also offer the right system technology for large-format battery modules and higher quantities.

Weil Technology

Weil Technology's core competencies are machines for sheet metal processing by laser welding and cutting. Here we can look back on 35 years of experience. At the company headquarters in Müllheim (Germany), around 240 employees develop and manufacture our concepts and systems. We deliver solutions to realize changes in the automotive market from exhaust systems to electro-mobility components. This is where our forward-looking applications as a machine supplier in the field of hydrogen and battery technology come into play.

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