The movement system’s stability is an important criterion. With 100 or 150 watts, this ALW is mainly used in tool and mold manufacturing, but programmed welding focusing. The ALW’s stable steel construction ensures a high degree of accuracy and reliability. Only this can ensure exact welding results.

During welding, the workpieces can be moved precisely on 3 axes (X, Y and Z). In addition, there is an optional rotating axis for circular welding.

Even demanding materials like aluminum, precious metals, titanium or sensitive alloys can be processed easily with the powerful ALW 200/300.

The compact ALV laser welding device with laser-proof working chamber is available with various laser outputs, sources and controls. The ALV is used in micro and deposition welding in tool and mold manufacturing, in sensor production and medical technology. The laser welding device offers a large vertical movement range and space that can be expanded, so that even larger workpieces can be processed. In just a few steps, this closed system can be converted to function as an open laser system for processing larger or longer components.

The ALV has three linear movement axes, and the vertical Z axis lifts up to 50 kg. A rotary axis for processing cylindrical parts is also available. The optional WINLaserNC software additionally allows automatic welding. The system is operated through an intuitive touchscreen.

The ALV is available with a wide range of NALV/F or fiber laser sources. This provides laser power of 100 to 450 watts.