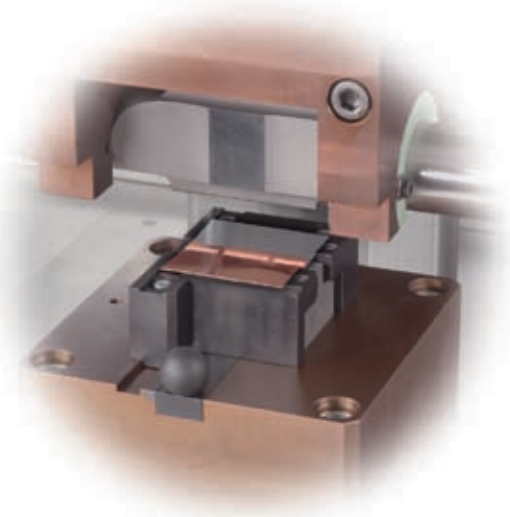


# Schunk Ultrasonic Welding Systems LS-C

## Schunk Ultrasonic Welding Systems



The LS-C welding system is the production machine for applications which call for high performance. Its modular design makes application-specific adaptation of the welding apparatus possible, thus allowing both the welding of sheet-metal and wire connections.

The doubly-bedded sonotrode can transmit extremely high welding power. Because of this, welding lengths of up to 100 mm can be

achieved when welding sheet metal as can splice cross sections of up to 150 mm<sup>2</sup> when welding wires. The LS-C offers the user a wide variety of applications. Depending on manufacturing needs and setup, the system can be delivered as a manually operated or as a fully automatic work station.

The control unit, a high-frequency generator and an industrial PC are mounted in a 19-inch control rack.

The patented dynamic process control function permits the regulation of relevant process parameters within specified tolerance ranges. Thus, this feature guarantees not only a high degree of process reliability, but also a high quality standard for the weld connections.

Naturally, this ultrasonic welding system is also equipped with our proven SUTWIN visualization software. Through continual product enhancement, for instance in the area of process statistics, we have been able to increase the efficiency and user friendliness of this software.

❖ **Sheet-metal connections with weld lengths of up to 100 mm**

❖ **Welding of wire cross sections of up to 150 mm<sup>2</sup>**

❖ **Robust unit, well suited for long-term high-load, high-volume production**

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