



Heinz Soyer Bolzenschweißtechnik

The BMK-8i ACCU battery-powered stud welder is well suited for in the workshop and on-site

## SRM Stud Welding Method

### Durable, effective and excellent

Stud welding processes are tried and tested joining techniques, in particular when it comes to the durability and stability of the connection. The two conventional processes with drawn arc ignition or with capacitor discharge differ in the welding surface, geometry of the studs, the process sequence, the equipment technology and also partly in the field of application. The advanced SRM technology uses a radial-symmetric magnetic field and does not require the use of ceramic rings. Clean connections and an absence of welding beads are some of the advantages of the patented process belonging to welding technology specialist Soyer.

*English translation of the original text of Author: Dipl.-Ing. Ulrike Hensel*

**S**tud welding is an arc pressure welding process in which a full-surface welded connection is made with great strength. The front surfaces of threaded bolts, pins, bushings or other bolt-shaped components are permanently connected to a workpiece under low contact pressure. A distinction is made between drawn arc and capacitor discharge stud welding. Depending on the process, materials such as steel, stainless steel and copper-plated steel can be welded- also to each other – as well as studs with diameters of between two and 25 millimetres.

Aluminium is primarily welded with capacitor discharge. Further advantages of stud welding are the minimal, or complete absence of discoloration to the rear and visible side due to tarnish. No deformation of the component or warping, no leaks at the connection point, and little or no corrosion problems.

#### **Award-winning stud welding**

Heinz Soyer Bolzenschweißtechnik was founded in 1970 and is located in the Wörthsee region of Upper Bavaria.



