



ProSWITCH

100% ADAPTABLE

100% PROCESS RELIABILITY

100% TECHNOLOGICAL FLEXIBILITY





ProSWITCH-Process

OPTIMIZED PROCESSES FOR INNOVATIVE ARC TECHNOLOGY

With **ProSWITCH**, MERKLE's innovative process, you gain access to an entirely new dimension in MIG/MAG welding. A wide variety of welding processes can now be freely combined for welding results perfectly tailored to your application.

Whether it is short arc, spray arc, **PulseARC**, **DeepARC**, or **ColdMIG** – with **ProSWITCH** you can combine these processes as needed. The sequence, the number, and the time intervals of the processes can be freely selected.

Especially practical: A V-groove, for example, can be welded in one pass – by smartly combining the hot **PulseARC** process (for edge melting) with the energy-saving **ColdMIG** process (for cooling the weld pool).

The result: Safe, clean weld seams – efficient, precise, and without repositioning.

MERKLE ProSWITCH.

Simply arrange arc processes sequentially!

1 FREELY COMBINABLE PROCESSES

Combine different arc processes – e.g. **PulseARC** for fine seams and **DeepARC** for penetration welding. The process adapts to your component, not the other way around.

2 RELIABLE IN DIFFICULT POSITIONS

Whether horizontal, overhead, or vertical: **ProSWITCH** ensures stable arcs, minimizes spatters, and guarantees consistent results – even under the most challenging conditions.

3 HEAT REDUCTION

Through intelligent process control, you significantly reduce the heat input – for less distortion, cleaner results, and optimal material integrity.

4 SCALED WELD FORMATION

Adjust switching times and pulse sequences individually – precisely tuned to your application. Maximum control for maximum quality.

5 CUSTOM TIMING CONTROL

Adapt on-times and pulse sequences individually – exactly tailored to your application. Maximum control for maximum quality.

6 HighPULSE & HighPULSE touch

ProSWITCH is available in our **HighPULSE** and **HighPULSE touch** series – for anyone who demands the highest standards in precision, control, and process variety, while relying on modern technology and maximum flexibility.