

Lorch SpeedCold

Classification

SpeedCold is a synergetic waveform controlled process control variant applied in MSG welding (ISO 857 process no. 13) which is particularly well-suited for welding applications involving low heat input. The process produces a modified, energy-reduced short arc.

Benefits

Automation / manual welding

Thin sheet applications

Optimised for thin sheet welding operations

Reduced heat input

High gap bridging ability thanks to moderately vibrating melt

Exceptional manageability of the weld pool

Heat input

Wide energy operating range ("very cold" to "medium")

Operating ranges

Material	Inert gas [Ar/CO ₂]	Wire diameter [mm]	Additional data
SG Fe	82/18	0.8 - 1.0	
	92/8		
	CO ₂		
Cr Ni 308 Cr Ni 316	98/2	0.8 - 1.0	

- Not intended for medium to high penetration
- Correction options for adaptation to changing conditions
- Welding programs for other operating ranges available on request

Notices

Settings

- Guiding parameters (primary settings): Wire feed speed
- Derived guiding parameters (forecast values): Current, voltage
- Correction options: Arc length (heat), wire feed speed

Readouts

- Set value wire feed speed
- Forecast current [A] and voltage [V] (arithmetic means)
- output of electric heat [kW]
- Actual values (during welding) and hold values (after welding)

Availability

- Types of power sources: Lorch S-series, P-series

More information

www.lorch.eu



SpeedCold

Steel with M21 inert gas on 0.8 mm sheet

High speed image of the wire electrode, the gently reignited arc following the spatter-free metal transfer, shadow image of the melt on the top and bottom side of the transverse sheet