

Welding system joke multiSpot 3 with individual pulse function

joke multiSpot 3 – the reference for pulsed welding for safe repair of tool moulds with laser-like results

Simple, fast and inexpensive. The ideal system for efficient in-house tool repair. The multiSpot pulse technology enables uniform, notch-free transitions. The individual pulses for the smallest and finest welds are triggered in a controlled manner. An interval circuit with adjustable pauses and welding times enables exact build-ups. Welding fillers of Ø 0.2 mm and more can be processed. Such fine and precise weldings only existed up to now with laser.

Technical Data

joke multiSpot 3

in accordance with IEC 974.1/EN 60974.1/CE declaration of conformity

Dimensions (L x W x H): 480 x 260 x 380 mm

Weight: 26.2 kg

Insulation class: H

Type of protection: IP 23

Cooling type: Forced-air cooled

Input data

Mains voltage U_1 : 230 Volt (single phase), 50/60 Hz

Mains fuse I_1 : 16 A, slow-blow

Efficiency factor $\cos \phi$: 0.9 at 150 A extraction

Primary constant power S_1 : max. 5 kVA

Output data

No-load voltage U_0 : 85 Volt TIG/TIG/electrode

Operating voltage U_2 : 19.1 – 16.5 V/TIG max. 18 V/Electrode
max. 26 V

Welding current ignition I_2 : from 3 A

Welding current range I_2 : 3 – 210 (or 300) A

Power-on time at 200 A: 50 % at +40 °C

Power-on time at 130 A: 100 % at +40 °C

Pulse time: 20 – 300 ms

Break time: 20 – 1,000 ms



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Order No.

Welding system joke multiSpot 3 AC/DC pulse with 300 A




The top-of-the-range model from the multiSpot line with a particularly high performance – the all-rounder for fine and coarse applications.


TIG and single-pulse welding for all weldable materials such as steel or aluminium for example.


Convinces with its high performance of 300 A even for the coarse range.

4 904 300


Welding system joke multiSpot 3 with individual pulse function

		Order No.
Welding system joke multiSpot 3 300 AC/DC		
	Very high-power TIG welding device (300 A) for steel, bronze, copper and aluminium. The unique TIG electric arc allows excellent weldings without single-pulse, but with a TIG pulse function.	4 903 300

		Order No.
Welding system joke multiSpot 3 DC pulse		
	The model from the multiSpot line for simple use from fine to coarse for welding fine edges as well as TIG welding tasks – without aluminium function.	4 902 210

		Order No.
Welding system joke multiSpot 3 AC/DC pulse		
	The model from the multiSpot line for daily use from fine to coarse. TIG and single-pulse welding for all weldable materials such as steel or aluminium for example.	4 901 210

Welding system joke multiSpot 3 without pulse function

		Order No.
Welding system joke multiSpot 3 AC/DC		
	Using this device, you can achieve excellent welding results on steel and aluminium with welding fillers between Ø 0.8 and Ø 4 mm. No pulse function.	4 903 210

Welding system joke multiSpot 3 with individual pulse function

Accessories / spare parts

		Order No.
Foot pulse switch for multiSpot		
	for triggering the welding pulses	4 901 000
Foot pedal controller for multiSpot		
	Foot control of the welding energy	4 902 000
Earthing cable with crocodile clip		
		4 902 125
Earthing cable with magnetic pole clamps		
		4 902 124
Gas pressure reducer (200 bar) with flowmeter		
	<p>Cylinder pressure reducer with flowmeter for controlling the precise flow volume in l/min, with inlet pressure compensation for constant outlet pressure in case of decreasing inlet pressure.</p> <p>The float-type flowmeter is permanently set to a fixed pressure; regulation is performed via the shut-of valve.</p>	4 800 250
Double extraction valve		
		4 800 260