

# Medium Frequency Inverter RMF – DUO 2

## Impulsion welding and Medium / High frequency Welding in 1 Unit for Micro Component and Delicate Parts Welding

### The newest generation of Welding Generator, with 4 functions:

If you like to work with capacitor discharge technology, you can work continuing with dates in Ws etc.

If you like to work with a top modern medium / high-frequency - inverter technology, we offer a top modern welding unit, very simply and logic operation with touch screen.

Inverter frequency: 10 (20) kHz. Very rapid current rise, shortly and exactly monitoring and reaction time. Typical capacitor discharges curves are pre programmed and are selectable.

4 Standard - modes are disposal:

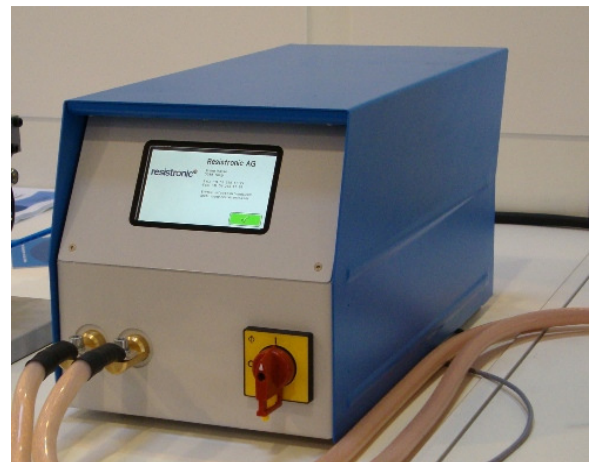
- Capacitor discharge impulsion
- Current regulation
- Voltage regulation
- Power regulation

50 individual welding programs can be stored. 2 programs can be actuating external.

The welding - programs can be very different: Single / multiple impulse, (until 6 impulses), serial impulse etc. All controlled by a colour touch screen.

For realisation of a budget priced unit, we dispense a control system to measure and record the path length and external analysis. The current is controlled.

(If you need more controlling, we propose our welding system RMF 10 - 2 with Control RSI 20)



### Characteristic Feature

Current: 0.4 - 8 kA ((1200 Ws) by max. 20ms welding time; 5 kA by 32ms; 3 kA until 1000 ms

Capacitor discharge curves until max. 20ms

Duty ration: 1 point/s by welding time over 100 ms; 2 pointes/s by 20ms; 5 pointes/s by 8ms

Welding voltage 12V (7 V on load)

Inverter / transformer / controller in 1 case

Water cooling (cooling unit not included)

Regulation digital

1 magnetic - valve can be controlled

Entrance: Start / pressure / fault-confirmation

Outgoing: MV1 / ready / finish contact FK / fault

No path length control

Function: welding without current

Counter total and individual

Locking by PIN and Super PIN

No date and clock

Net 400V 50/60 Hz; fuse protection 16A;

Case IP21

Current outgoing on unit front, data outgoing on unit backside

Dimension: 410x220x222mm (LxBxH)

Weight approx. 17 kg

Subject to technical change

Differently options possible, please contact us.