

High Frequency Inverter RMF – DUO 2

Impulsion welding and Medium / High Frequency Welding in 1 Unit

DUO 2 - 8000 A

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.

Internal data storage of 1 point, data transfer to PC or PLC possible, especially for test and optimizing (transfer rate not more than 1/s).



Characteristic Features

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 points/s by 20ms; 5 points/s by 8ms
 Welding voltage 12V (7 V on load)
 Inverter / transformer / controller in 1 case
 Unit cooled by forced air, ventilator controlled by temperature / water cooling as option
 Regulation digital
 1 magnetic – valve can be controlled (24V DC)
 Entrance: Start / pressure / fault-confirmation
 Outgoing: MV1 / ready / finish contact FK / fault
 Option: external measuring voltage
 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 32A;
 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.