

Medium Frequency Inverter RMF – DUO 05

Impulsion welding and High Frequency Welding in 1 Unit

for Micro Component and Delicate Parts Welding

The newest generation of Welding-Generator, with 2 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.

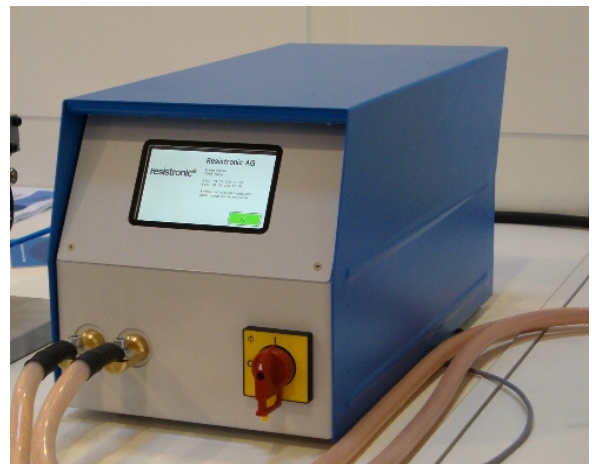
The welding – programs can be very different: Single / multiple impulse, (until 6 impulses), serial impulse etc.

All controlled by a colour touch screen.

For realisation of a budget priced unit, we dispense a record the path.

The data of the last weld are stored. These can be transferred to a SPS, equally all programs can be selected over the SPS, and picked out the program data.

- Different binary in/exits



Characteristic Features

Current: 25 – 500 A (50 Ws) for max. 20% duty ratio
Capacitor discharge curves until max. 20ms
5 points/s by max. 20% duty ratio
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
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 10A;
Case IP21
Current outgoing on unit front, data outgoing on unit backside
Dimension: 410x220x222mm (LxBxH)
Weight approx. 15 kg
Subject to technical change
Differently options possible, please contact us.