

RF systems and processes for nuclear decommissioning

DMS RFW Gate Press Systems

The RFW gated-press range of RF welder is designed for safe retrieval of LLW as part of the bagging out process from 9" and 15" glovebox ports. Each press is designed to complete a reliable hermetic seal in one action using the latest solid state RF technology. This range of welder has been fully CE certified to the latest industry standards by a third party test house TÜV.

Key Features

- Welding of full width bag in one cycle
- Air cooling throughout the power range
- Electrodes are solenoid operated – no pneumatics
- State of the art PLC control
- Solid state RF technology – 27.12MHz stabilised
- 20,000 hour MTBF

Why DMS Nuclear

By taking this base technology we are able to look at clients' individual requirements and design a solution fit for purpose using the latest 3D drawing package and our industry experience. From innovative concepts through to fully justified detailed design.

DMS Nuclear offers complete through life support by our Suitably Qualified Experienced Personnel (SQEP) security cleared engineers.

Our products are currently in operation with a number of blue chip organisations in the UK, Europe, Middle East and USA.



RFW Range Specifications

RFW1000 >>

Model	110V	240V
Supply Voltage	110V, 50 Hz 1Ph	240V, 50Hz 1Ph
Peak Current	16A at 110V	8A at 240V
Peak Power Output	1kW	
Frequency	27.12MHz	
Electrode Size	400 x 5mm	
Footprint	W 730 x D 735 x H 1365mm	
Weight	100kg	



RFW2500 >>

Model	240V	420V
Supply Voltage	240V, 50 Hz 1Ph	420V, 50Hz 3Ph
Peak Current	13A at 240V	16A at 420V
Peak Power Output	2.5kW	
Frequency	27.12MHz	
Electrode Size	400 x 15mm	
Footprint	W 730 x D 735 x H 1365mm	
Weight	105kg	



RFW4000 >>

Model	420V
Supply Voltage	420V, 50 Hz 3Ph+n
Peak Current	20A at 420V
Peak Power Output	4kW
Frequency	27.12MHz
Electrode Size	630 x 15mm
Footprint	W 960 x D 650 x H 1365mm
Weight	135kg

