



The Most Versatile RADIO FREQUENCY WELDER

Producing strong, durable and even welds is what the RFlex was built to do. It will weld a wide range of materials of varying thickness.

The RFlex is the most flexible and easy to use RF welder available on the market. It's designed to cover a large range of power output configurations with the use of our exclusive RF autotuning system. The RFlex welder at it's core is a 15kW RF powered machine. Using the most recent RF generator technology, our efficient RF machine will perform as most 17kW or 22kW machines with a maximum RFlex welding surface being at almost 100 squared inches in a linear configuration. The RFlex is the most efficient RF, flexible and eco-friendly RF welder available.

Applications:

- Tensile structures, tents, shade systems, truck covers and side curtains
- Sign and banner finishing
- Awnings, shades, boat covers and inflatables
- Containment pools, oil booms, ground liners
- Swimming pool liners and covers, flood dams and water tanks
- Thermoforming, protective garments, water and gas storage



Seam Types



Overlap



Hem



Pocket



Custom dies available

Technical Specification

Voltage:	240 Volts - Three Phase - 60 Amp 400 Volts - Three Phase - 40 Amp 480 Volts - Three Phase - 40 Amp
Electron Tube:	Air cooled metal-ceramic triode
Antiflash System:	Ultra fast solid state arc limiter
Control System:	PLC & 10" touch screen HMI
Electrode Length:	1.2m (47 inches) Optional: 1.5m (59 inches)
Electrode Stroke:	0.16m (6.3 inches)
Space Behind Electrode:	0.84m (33 inches)
Air Requirements:	2 cfm @ 120 psi
Power Consumption:	Approx. 22kW
Dimensions:	Width: 1.7m (66.9 inches) Length: 1.97m (77.5 inches) Height: 2.4m (94.5 inches) Weight: 1,100kg
Work Table Dimensions:	1.6 x 0.8m (63 x 31 inches)
Trough size:	0.4 x 0.5m (15.75 x 19.75 inches)
Electrode Mount:	QuickGRIP, pneumatic

Features and Benefits

- Deep back table and trough with ample space behind the electrode for easy material handling.
- Stable and efficient RF generator with new generation Hi-Q Gen5 EcoRF.
- Easily switch dies with QuickGRIP release system of the electrodes.
- Easier material placement and better visualization of weld with built in LED illumination.
- 10" color touch screen HMI panel on a swing arm for using on any side of the machine.
- SAFEDOWN anti-crush electrode safety motion system.
- RF autotuning for efficient and consistent welds.
- Fully programmable PLC with 1,000 memory settings.
- RF emission protection.
- Custom dies available for versatile production.
- Line up your material accurately every time with joystick and foot pedal precision.
- Downstroke control.
- Easy to use intuitive operating menu with specially designed software.
- Optional impulse electrode.
- Ultrafast sensitive ARC sensor & output overload protection.

