



## 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 its 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, 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

<b>Voltage:</b>	240 Volts - Three Phase - 60 Amp. 400 Volts - Three Phase - 40 Amp. 480 Volts - Three Phase - 40 Amp.
<b>Electron Tube:</b>	Air cooled metal-ceramic triode
<b>Antiflash System:</b>	Ultra fast solid state arc limiter
<b>Control System:</b>	PLC & 10" touch screen HMI
<b>Electrode Length:</b>	1.2m (47") Optional: 1.5m (59")
<b>Electrode Stroke:</b>	0.16m (6.3")
<b>Space Behind Electrode:</b>	0.84m (33")
<b>Air Requirements:</b>	2cfm @ 120psi
<b>Power Consumption:</b>	Approx. 22kW
<b>Dimensions:</b>	Width: 1.7m (66.9") Length: 1.97m (77.5") Height: 2.4m (94.5")
<b>Weight:</b>	1,100kg (2,425lb)
<b>Work Table Dimensions:</b>	1.6 x 0.8m (63 x 31")
<b>Trough size:</b>	0.4 x 0.5m (15.75 x 19.75")
<b>Electrode Mount:</b>	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.

