

# RFLEX PRESS



## The Most Compact Multipurpose RADIO FREQUENCY WELDER

The RFLex Press welder is the smallest machine in the Radio Frequency line. Small but mighty, the RFLex Press brings the power of larger RF machines with a small footprint.

Designed for the production of small intricate applications including automotive, medical equipment, and packaging accessories or products. The RFLex Press can weld PVC, PET, PU, TPO, or PLA. With enhanced features such as precision line, spot and curve welds technology, autotuning for consistent welds, production will be more efficient and reliable.

### Applications:

- Aerospace Products
- Flexible Storage Bladders
- Inflatables
- Protective Signage
- Automotive interior Design Elements
- Medical Equipment
- Packaging Accessories
- Complicated Shapes
- Packaging Applications
- Protective Clothing
- Embossing
- Prototype Work



## Seam Types



Overlap



Hem



Pocket



Custom dies available



## Technical Specification

<b>Voltage:</b>	240 Volts - Three Phase - 30 Amp.
<b>Antiflash System:</b>	Ultra fast solid state arc limiter
<b>Control System:</b>	PLC & 7" touch screen HMI
<b>Electron Tube:</b>	Air cooled metal-ceramic triode
<b>Electrode Size:</b>	- Max Weldable is 16-18 in Squared - Variable and Customizable based on Application.
<b>Electrode Stroke:</b>	0.15m (6")
<b>Space Behind Electrode:</b>	0.32m (12.6")
<b>Air Requirements:</b>	1cfm @ 90psi
<b>Power Consumption:</b>	Approx. 4kW
<b>Dimensions:</b>	Width: .72m (28") Length: 1.3m (51") Height: 1.75m (69")
<b>Weight:</b>	300kg (661lb)
<b>Work Table Dimensions:</b>	0.8 x 0.5m (31.5 x 19")

## Features and Benefits

- Universal usage for PVC, PU, TPU, reinforced technical textiles.
- New generation stable and efficient RF power generator.
- Pneumatic Foot Operation for precise material and weld placement.
- 7" color touch screen with programmable HMI with PLC system.
- StrokeDOWN System with crank-knob system for easy setup of height adjustment of welding electrode from the work table.
- Fully automated weld cycles with 100 weld cycle recipe memory.
- Auto-tuning for steady RF power feed to assure consistent welds.
- Fully programmable PLC with memory settings.
- RF emission protection.
- Custom dies available for versatile production.
- Easy to use intuitive operating menu with machine specific software.
- Ultrafast monitoring of arcs and overloads for protecting the integrity of the electrodes and the welded material.

