MILLER WELDMASTER®
The First Choice Globally

RFLEX TRAVEL

Automated Traveling Head
HIGH FREQUENCY WELDER

The RFlex Travel is a radio frequency welding machine with a traveling head for the production of large format PVC and PU products. The reliable and repeatable technology gives you waterproof and air tight welds with minimally visible seams, even on multiple layers of fabrics. With an optional vacuum worktable up to 100 meters long, you can easily line up your fabric with the laser guides, vacuum it down and press go. Let your traveling welding head do the work for you.

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 17kW RF powered machine running as the same efficiency of a 22kw machine. This machine comes with a maximum RFlex welding surface being at almost 100 squared inches in a linear configuration.

Applications:

- Tensile structures, tents, shade systems, truck covers and side curtains
- Swimming pool liners and covers, oil booms, flood dams and water tanks
- Airport hangars, portable storage structures, containment pools, ground liners
- Signs, banners and large format billboards
- Filter tubes and bags
- Ducting, ventalation and hose

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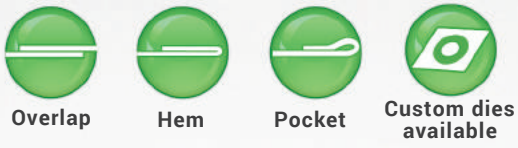
RFLEX TRAVEL

Seam Types



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
Control System:	PLC & 10″ touch screen HMI
Electrode Length:	1.5m (59″) *Additional Sizes Available
Electrode Stroke:	0.16m (6.3″)
Space Behind Electrode:	1m (39″)
Air Requirements:	2 cfm @ 120 psi
Power Consumption:	Approx. 22kW
Dimensions:	Width: 1.7m (66.9″) Height: 2.4m (94.5″) Table Length: 10.6m (418″) Sections: 0.8m (31.5″)
Trough size:	0.6 x 0.4m (23.62 x 15.74″)
Electrode Mount:	QuickGRIP, pneumatic

Features and Benefits

- Efficient large format production with frequency inverter rail driven RF welding head.
- High precision continuous welds with linear ball bearing drive.
- Easy material handling with work table length up to 100m.
- Universal usage for PVC, PU, TPU, reinforced technical textiles.
- Easy material positioning with back trough and laser guides.
- PE, PP weldability with optional impulse electrode.
- 10″ color touch screen color HMI panel with expanded functionality.
- SAFEDOWN anti-crush electrode motion safety system.
- RF autotuning for efficient and consistent welds.
- Fully programmable PLC with 1,000 memory settings.
- Easily switch dies with QuickGRIP release system of the electrodes.
- Precisely align your material with fingertip joystick control.
- Custom dies and tools available for versatile production.
- Ultrafast sensitive ARC sensor & output overload protection.
- Transverse + 2.4 inches to 4.75 inches weld head motion. **(Optional)**
- For welding non-RF weldable fabrics, the RFlex can be fitted with an impulse electrode. **(Optional)**
- Lock your fabric in place with a vacuum system on your work table. **(Optional)**

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