

Working:

These machines are used to make assembly for large surface tarpaulin by joining end to end. It is the first operation during making of large flexible structures. It is used for Mass Production with only one Operator.

The same machine can be used as a fix one. You have two applications with only one machine. It can be equipped with a pedal to use it like a fix machine.

The handle moving model (6000wHF) is used for medium quantities: stretch curtains, tents....

Applications:

- * Stores, Tents, Curtains, Video Screens
- * Tarpaulin, Tarpaulin Advertising
- * Industrial flexible Doors, Windows
- * Chapiteau
- * Inflatable Structures: circus, swimming-pool, boats.....
- * Flexible Tanks

Power depends of material, thickness, welding surface, weld form, timing :

Generally 50wHF / cm².

Sizes of electrodes :

6000VA ==> 15*600

16000VA ==> 25*900

24000VA ==> 30*1200

Please, send us your photography or drawing or samples in order to test the welding of your products.

Moving Head Welding Machines



**Standard Welding machine on rails
Automatic Moving**

Program of welding machine for tarpaulins:

- Delay time of filament heating
- Detection of overcurrent
- Supervision of antiflash
- Cycle of welding according to your choices:
 - Move down of table
 - Descent in Low Pressure
 - Detection of low position press
 - High Pressure control
 - Delay time of Welding
 - Soft starting
 - Delay time of Cooling
 - Pneumatic Cylinder rise

- Displays as you prefer:
- Intensity of welding
- Delay time of welding
- Delay time of cooling
- Time of cycle
- Counting of cycles
- Emergency stops - Safety casings - Doors - Antiflash - Supply disrupting
- Counting down of number of solders

- Softwares: settings, productivity, maintenance

For trolley: Cylinders for pulling up Table
 2 Times Translation Timing
 Automatic coming back

Step by step move down
 Check point at 5 mm above table in
 order to adjust tarpaulin
 Over thickness detection



**Welding machine on rails
Handle Moving**

References	Electrical Power VA	HF Output Power wHF	Table Sizes Depth & Throat mm	Electrod Length
Motorized Moving 67330-16000 /rails 67330-24000 /rails	16000 24000	8000 12000	1000 & 500 1000 & 500	25*700 30*1200
67330-Rails & Table flat /m 67330-Rails & Table auget /m			Lenght as request Supply included	

Mechanical Specifications:

- * Pneumatic Press ; D 100 .. 160 mm
- * Compressed Air = 8 bar Maxi
- * Move Down: Step by Step & Low Pressure
- * Vertical Stroke = 150 mm & Mechanical stop
- * Welding Surface (depends of materials) = 120 ; 250 ; 360 cm²
- * Electrode on parallelism plate
- * Electrode on Slideways => quick change
- * Pre-heating electrode

Electrical Specifications:

- * Net supply Filters
- * Anode Transfo: 4 grades of power, with rotactor switch, 2 times Soft Start.
- * Frequency = 27 MHz
- * Triode = ITL5 ; ITL12
- * Antiflash with Grid blocking
- * Switch HF ON/OFF for maintenance
- * Emergency Stop
- * Synchronised bimanual commands
- * Automaton Siemens S7 with Display

General Options:

- * Band Holder
- * Laser Sighting 2* sides (double line)
- * Antiflash Ultrafast & Safety
- * Mobile Foot Switch
- * Accurate optical Indexing
- * Vacuum Clamping

Power control Options with automaton and servo-motor on CV:

- * Program for Anode Current Control
- * Automatic settings (50 products): CV position, Welding timing, Cooling timing
- * Tactil display and program for production: ON/OFF record, productivity ...