



GANTRY STATIONARY HIGH FREQUENCY WELDERS

WELDON HF offers an entire range of Gantry HF welders in categories

- Stationary
- Stationary Rotary
- Movable on linear Track
- Movable on linear Track Rotary
- Movable X-Y
- Movable X-Y Rotary

All options offer precise control of location of welding and now programmable with advanced software. This entire range of welders are suitable for high frequency welding of technical fabrics for manufacturing applications in areas that includes large tensile roofs, tents & structures, Building Wraps, Domes, Silos, Bio-Gas Covers, Bulk Container, Tanks, etc.,

The Welders are manufactured by technical experts from Germany, USA & India. The superb welding quality, largest welding areas, sturdy design, advanced electronic circuitry, advanced software, advanced patented high-Q stabilized oscillator are some of the key features in **WELDON HF** welders

An exclusive feature of **WELDON HF** machines is the default weld data storage of operating cycle, software data analysis & automatic e-mail generation on hourly weld data, maintenance alarms, machine health.

WELDON HF

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Models Available	ST 08H	ST 12H	ST 15H	ST 20H	ST 25H	ST 30H
	ST08HR	ST12HR	ST 15HR	ST 29HR	ST 25HR	ST 30HR
Power Output	8 KW	12 KW	15 KW	20 KW	25 KW	30 KW
Power Input	11 KVA	17 KVA	22 KVA	30 KVA	36 KVA	40 KVA
Input Voltage	400 VAC \pm 1%, 50Hz, 3Ph + Neutral + Earth (Dedicated)					
Max. Input Current	25 A	33 A	40 A	50 A	60 A	65 A
Max Weld Length	900 mm	900 mm	1200 mm	1200 mm	1500 mm	1500 mm
Maximum Weld Area**	24,000 mm ²	36,000 mm ²	45,000 mm ²	60,000 mm ²	75,000 mm ²	90,000 mm ²
Table Construction						
Length	1305 mm	1305 mm	1655 mm	1655 mm	1955 mm	1955 mm
Width	1305 mm	1305 mm	1655 mm	1655 mm	1955 mm	1955 mm
Height	900 mm					
Press						
	Type	Pneumatic				
	Daylight	85 mm				
	Protection	Available				
Air Pressure Control		Electronically controlled and a program parameter				
Weld Bar movement		Positioning by four way membrane switch on handles				
Air Pressure		9 kg/sq. cm.				
Maximum load on fabric		2000 Kg.				
Air Consumption		100 Litres per cycle				
Oscillator						
Electron Tube		Thales / Toshiba Equivalent				
Operating Frequency		27.12 MHz \pm 0.6%				
Control System						
Control Component		Programmable Logic Controller				
Human Machine Interface		7" Color Touch Panel				
Number of Programs		800 programs accessible only to supervisor				
Program Parameters		Pre-heat, Heat Time, Cool Time, Power Level, Air Pressure, Travel Distance, Travel Speed				
Welder Head Rotation		Inverter driven rotation				
		Rotation by four way membrane switch on handles				
Output Power Control		As program parameter adjustable in steps of 0.01%				
User Levels		Supervisor — 1, Operator — 6				
Other Features						
Flash Protection		Available				
Weld Bar Release		Available on touch panel				
Weld Bar Lighting		Available				
Weld Bar Cooling		Available with forced fluid and radiator				
Fabric Alignment		Laser Line				
Weld Data Storage		Each weld cycle data stored on USB data disk. Software available data analysis				
Connectivity		(Optional) Remote access through GSM router				
Language on HMI		English / German / Dutch / Italian / Spanish				
Maintenance Alarms		Available				
Automatic e-mail generation on hourly weld data, maintenance alarms and machine health						
** Welding on two layers of 1mm thick PVC Sheet						

The Rights of Modification in Design & Technical Details Reserved

MACHINE
LINE DRAWING
(AVAILABLE ON REQUEST)