

## **Belsonic Welding and Cutting HF Welder**

*With double loading table – 8 to 15 kW*



## Principal of HF

High frequency technology takes advantage of electronic tube self-surge reaction to generate a high frequency electric field between upper and lower electrodes to heat material to the point of melting where after the material is welded together under pressure of the welding head.

## Applications

For products where next to the HF weld, the extra edge needs to be cut off.  
Is a simultaneous welding and cutting machine for plastic or textile products made of APET, PET, GAG, PVC, PU etc. Will be used for double sided clamshells, blister packs and many other environment-friendly products

## Features

Automatic and manual sliding table.  
Equipped with cycle stabilizer and a suppressor of magnetic flux leakage.  
Minimal interference with the outside equipment.  
Accurate detection of unbalanced current and instant cut-off of oscillation loop supply to restrain sparks and protect the mould, the raw materials and the welded products.  
Good quality and low-loss coaxial resonator.  
Over-current protection device to protect the oscillation tube and the rectifier and to avoid frequency drifts.

## Technical features

Model	BS 5 KW	BS 8 KW	BS 10 DW	BS 12 KW	BS 15
Power	5000W	8000W	10000W	12000W	15000W
Voltage	3P 380V	3P 380V	3P 380V	3P 380V	3P 380V
Frequency	27.12 Mhz	3P 380V	3P 380V	3P 380V	3P 380V
Input Power	8KVA	15KVA	18KVA	20KVA	25KVA
Rectifier	Silicone diode	Silicone diode	Silicone diode	Silicone diode	Silicone diode
Max pressure	5T	10T	15T	20T	25T
Electrode gap	200MM	200MM	200MM	200MM	200MM
Size upper electrode	300 x 400mm	300 x 500mm	350 x 500mm	400 x 500mm	450 x 500mm
Size bottom electrode	350 x 450mm	350 x 500mm	400 x 550mm	450 x 550mm	500 x 600mm
Temperature range	20 – 300°C	20 – 300°C	20 – 300°C	20 – 300°C	20 – 300°C
Welding time	0 – 10 sec	0 – 10 sec	0 – 10 sec	0 – 10 sec	0 – 10 sec
Productivity	<400 c/8hr	<400 c/8hr	<400 c/8hr	<400 c/8hr	<400 c/8hr
Net Weight	1000 kg	1500 kg	2000 kg	2200 kg	2500 kg
Overall dimension	92x120x206 cm	192x120x206 cm	220x210x200 cm	250x220x230cm	265x255x224 cm