

iAG-F S15 Series

It's innovative high performance machine for more applications. It is equipped with DONGHO pneumatic system, iQS system, available in multiple welding modes. It's a fully electronic welder and device which meets the requirements of industries of medical treatment, automotive manufacturing and consumer electronics.



5G Network



Internet of
Things



Communication
Equipment



Cloud

FEATURES AND ADVANTAGES

- Powerful welding process control with weld graph.
- The 6th generation iQS, multi-level password protection
- 100% digital ultrasonic generator and line voltage regulation
- Modularized structure for easy expansion
- Six welding modes: peak power, time, pressure, energy, relative distance and absolute distance
- Configuration for real-time data management.



Ultrasonic Welder Series

TECHNICAL PARAMETERS

Hardware	
Output interface	7" Color screen
Operating system	iQS
Motion control system	Pneumatic
Frequency adjustment	IGBT auto tuning
Z-axis precision (mm)	±0.02mm
Maximum delivery compression air pressure(Mpa)	1 Mpa
Maximum welding time(S)	≤5s
Cooling System	Vortex cooler
Generator alarm	Frequency abnormal/over current/over load/over temperature
Relative moisture	30% - 95%, non condensing
Operation temperature	+5℃ - +55℃
Air source	Compressed air has to be clean, dry and free of lubricant
Voltage source (V)	AC 220V±5% 50/60hz

Converter	
Warranty	1 year
Brand	DONGHO
Conversion ratio	95% < real ratio < 100%
Booster Amplification ratio	Steel 1:2.5

Sonotrode		
Model	iAG-F S1530e	iAG-F S1535e
Freq. accuracy	14.80KHz-15.200KHz	
Welding area	Not more than 250mm as per materials/shapes, etc.	
Product size	Not more than 250mm as per materials/shapes, etc.	

Data collection way	
Data transfer	USB read and storage

Controller		
Model	iAG-F S1530e	iAG-F S1535e
Frequency/KHz	15KHz	
Power range/W	3000W	3500W
Trigger mode	Time/Pressure/Position	
Welding mode	Weld time/Relative position/Absolute position/Weld energy/Peak power/Max.pressure	
Pneumatic control	pressure regulating valve	
Operation pressure method	standard	
Amplitude control	Single amplitude	

Cylinder stroke(mm)	100mm±1mm
Max.weld time	5 seconds
Voltage source (V)	AC220V±5% 50/60Hz
Dimension(L*W*H)mm	500*750*1100mm
Weight(kg)	106KG

(We preserve the right to update the above specifications in case of any improvement of the products, we will not otherwise inform due to above change.)