

GSH series

The GSH series is a manual handheld ultrasonic welding equipment—designed for flexible deployment in the plastic welding field.

It can be equipped with different versions for specific applications with extremely low weight and ergonomically designed handles, including compressed air cooling in the converter, suitable for applications requiring standard or customized machines with maximum physical flexibility, it can be used in combination with digital generator technology, the commonly used frequency is 20 and 35kHz with 1000W, 2000W power output.

The generator has a very intuitive 7-inch colored touch screen, the ultrasound generator GSH has the built-in time, energy mode, which could freely program the beginning and end of ultrasonic welding. Its intelligence technology could produce higher quality and repeatable welding effect, the use of system provides excellent performance, precision and reliability, easy to use and reduces the fatigue by reducing the operations.

The equipment can be configured as an independent, single-station, or integrated into automated systems. Hand welders are perfect for handling and repairing single materials and small series of materials, it is ideal application for spot welding, edging, riveting or small spaces cutting etc.



PRDOCUT PARAMETERS

Hardware	
Output interface	7" color touch screen
Control System	iQS operating system
Frequency adjustment	IGBT Automatic frequency chasing
Max Welding time(S)	≤6S
Cooling system	Vortex cooling
Generator alert	Frequency Error/Over current/Power overload
Relative humidity	30% - 95%, condensate free
Operation temperature	+5℃ - +55℃
Voltage(V)	AC220V±5% 50/60Hz

Data collection	
System data display	welding data section
Product identification	Barcode/QR code
Barcode scanner supported	Honewell/Code Reader/Datalogic/Infoscanner
Memory capacity	1500strokes/cycle
Transfer memory data	USB saving/reading

Transducer	
Warranty	1 year
Brand	DONGHO
Tranduction ratio	90% < real ratio < 100%

SONOTRODE		
Model	GSH-G2020	GSH-G3510
Frequence precision(KHz)	19.80KHz-20.20KHz	34.80KHz-35.20KHz

Welding area(ϕ mm)	Depends on material/shape, usually within 100mm	Depends on material/shape, usually within 30mm
Product size	Depends on material/shape, usually within 100mm	Depends on material/shape, usually within 30mm

**Gun Type Handheld Welder**

Controller(Gun Type handheld welder)		
Model	GSH-G2020(Gun Type)	GSH-G3510(Gun Type)
Frequency(KHz)	20KHz	35KHz
Power range(W)	$\leq 2000W$	$\leq 1000W$
Dimension(L*W*H)mm	68*152*180mm	55*110*160mm
Weight(kg)	6KG	
Language(icon)	1) Chinese 2) English	
Welding method	Time/Energy	
Amplitude control	Single stage amplitude(10~100%)	
Quality control	Time/Energy	
Parameter management	99 sets	

**Straight Handle Handheld Welder**

Controller(Straight Type Handheld Welder)		
Model	GSH-G2020(Straight Type)	GSH-G3510(Straight Type)
Frequency(KHz)	20KHz	35KHz
Power range(W)	≤2000W	≤1000W
Dimension(L*W*H)mm	φ62 275mm	φ50 220mm
Weight(kg)	6KG	
Language(icon)	1) Chinese 2) English	
Welding method	Time/Energy	
Amplitude control	Single stage amplitude(10~100%)	
Quality control	Time/Energy	
Parameter management	99 sets	

(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.)