SW-D Series Ultrasonic Welder



High-speed · automation machine type line up to support reliable "Monozukuri" (manufacturing)

SW-D series has 5 models of 20kHz~48.5kHz, 600W/900W with various control mode and monitoring function, which is applicable to wide variety of work. It is the high-end ultrasonic welder with Ethernet capability and tractability.

Selectable Oscillation Mode

Welding at optimum parameter

- Peak power control
- · Energy control
- Timer control
- Continuous oscillation control
- External sensor control

Displacement sensor, Temp. sensor, etc.

Real-time Monitoring

OK/NG judgement of welding

- Peak power value
- Energy value
- Frequency
- Oscillation time
- External sensor value (3ch)



Monitor display

Portable Controller

Easy setting with remote control



UA-C01

- Parameter setting Welding result display
- LCD touch panel
- small size/ light weight
- Detachable and to be used with multiple unit

External connection, IoT adaptability

For centralized data management For high demand of autmation

- · LAN (Ethernet) · RS-232C External analog

- CF card (Front)

Supreme Controllability

High-speed and stable welding

 Auto-frequency tracking (Digital ATHMOS)

Selectable based on application

- Multi-stage oscillation function Pre-pressure oscillation, etc.
- Additional time
- · After burst

Others

Ease of use

- · AC100-240V multi-power source
- · LED error display Power label Error type

Robustness

 Overcurrent protection, large ventilation fan

Application Examples

20kHz

Food Cutting





Sun Visor

39kHz

Welding of Insulator



Door Trim

Cloth Cutting



Caulking of **Large Boss**



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27kHz

Welding of **Unwoven Fabric**





Mask

48kHz

Film Cutting



Battery Separator

Welding of Film



Tea Bag







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SW-D Series



Oscillator & Horn



SW-D Series Ultrasonic Welder

Model	SW-D900S-20	SW-D900S-27	SW-D900S-39	SW-D600S-39	SW-D600S-48
Max. Output Power	900W (In continous: 400W)			600W (In continous: 300W)	
Frequency	20kHz	27kHz	39kHz	39kHz	48.5kHz
Oscillation Method	Digital ATHMOS				
Amplitude Adjustment	30~100% (1% step)				
Oscillation Control Mode	Timer/Energy/Peak Power/External Sensor/Continous				
Monitor Function	Fraguancy/Occillation Time/Energy/Dook Bower/External Songer				
(Pass/Fail Judgement)	Frequency/Oscillation Time/Energy/Peak Power/External Sensor				
Parameter Memory	31				
Interface	I/O/ Analog/RS-232C/LAN/CF Card				
Input Power	Single Phase AC100~240V±10%				
Power Consumption	1,350VA			900VA	
Operating Temperature	5~50°C (No freezing)				
Operatiing Humidity	Less than 90% (No condensation)				
Dimentions	W150×D370×H310mm (Including protrusions)				
Weight	Approx. 8.5kg				
Schoolifications and appearance are subject to change without notice for improvem					

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■Portable Controller



Model		UA-C01		
	Size	3.5 inch TFT LCD		
LCD	Resolution	W320×H240		
	Color	4,096 colors		
	Method	RESISTANCE FILM TYPE		
Touch Panel	Color	320×240		
	Buzzer	available		
Language		English		
Power Input		Supplied From Welding		
Cable Length		1.5m		



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WARNINGS & CAUTIONS

Before using this product, please carefully read the provided Operation Manual "WARNINGS" & "CAUTIONS" section to ensure proper operation. Please do not place the product in high temperature, high humidity or high inert gas environments.

Distributor:

http://www.avio.co.jp/english/