

Data sheet

Vibration Welder 630e/615e

630e/615e series vibration welder equipped with high efficiency single phase output amplifier provide precise and high quality welding. Linear scale is used for precise lift table and melt control during the welding process.

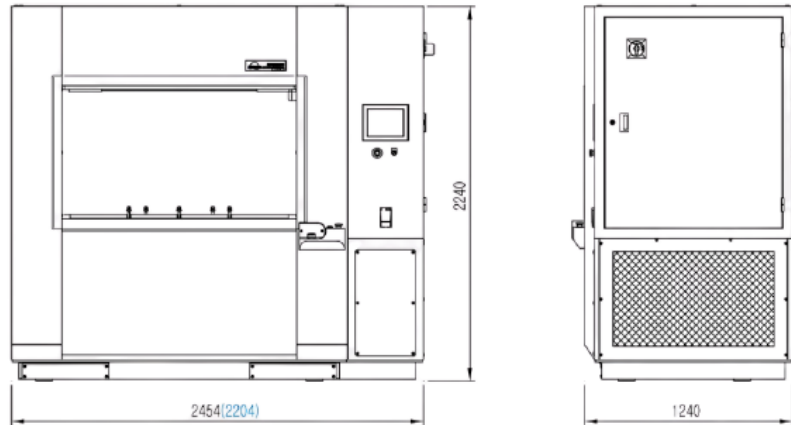
4 seconds of significantly short auto tuning time, user friendly touch panel and communication, real-time resonance frequency tracing, auto fixture recognition sensor and specialized software has been applied.

With superior welding strength and quality, they are suitable in automobile, home appliance and sanitary appliance industries.



Applications





※ In the drawing value in () are for 615e

Advantages and Features

- » High frequency precision welding
- » IGBT technology for powerful amp output
- » ASIC circuit application
- » Auto amplitude maintenance function
- » Output power control
- » 2 welding mode: Depth & Time
- » Resonance frequency auto tuning
- » Multi-stage welding
- » Easy fixture replacement
- » Superb safety feature (Alarm function)
- » Sound proof enclosure
- » Welding parameter storage function
- » Welding result storage function
- » Welding result analysis
- » Fixture recognition function
- » Language selection

This data sheet may show parts which are available as options rather than as part of the standard equipment. In some cases, safety covers have been opened or removed in order to show machine details more clearly. Subject to changes to dimensions, design and equipment.

Certified to ISO 9001 & 14001

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Technical data Vibration welder 630e/ 615e

	Model	630e	615e
Vibration head	Upper toting weight	20 ~ 40 kg	15 ~ 30 kg
	Weld area (approx. / for PP)	200 cm ²	160 cm ²
	Amplitude (peak to peak)	0.5 ~ 1.8 mm	0.5 ~ 1.8 mm
	Frequency	220 ~250 Hz	220 ~250 Hz
Machine	Machine size	W 2454 x L 1240 x H 2240mm	W 2454 x L 1240 x H 2240mm
	Front door opening	W 1400 x L 790 mm	W 1150 x L 790 mm
	Drive platen	W 870 x L 440 mm	W 760 x L 420 mm
	Lift table size	W 1300 x L 600 mm	W 1200 x L 520 mm
	Table stroke / max.	500 mm	500 mm
	Distance between lift table and vibration head	735 cmm	735 cmm
	Table speed	250 mm/s (max.)	250 mm/s (max.)
	Clamp force	15 kN	15 kN
	Hydraulic unit	Servo pump	Servo pump
	Hydraulic oil	ISOVG32	ISOVG32
	Weight	3,900 kg	3,700 kg
	Max. noise level	<85 dB *DAEYOUNG standard test sample application: PP)	<85 dB *DAEYOUNG standard test sample application: PP)
	Rated input (3phase)	AC 220 V, 50/60 Hz (AC 380 V, 440 V Option)	AC 220 V, 50/60 Hz (AC 380 V, 440 V Option)
	Power consumption	29 KVA	23 KVA
	Output power	18,5 kW	15 kW
	Control voltage	DC 24 V	DC 24 V
	PLC Type	Siemens S71500	Siemens S71500
	Operation touch panel	Siemens	Siemens
	Frequency tuning	Auto/Manual	Auto/Manual
	Auto tuning	≒ 4 sec	≒ 4 sec
	Welding control	Depth/Time	Depth/time
Stage for welding	8 Stages	8 Stages	
Welding paramter storage	80 Products	80 Products	
Welding result analysis	Good/Bad	Good/Bad	
Language	Korean, Chinese, English (Other languages are optional)	Korean, Chinese, English (Other languages are optional)	
Fixture recognition	Auto, 15 Products	Auto, 15 Products	