

Data sheet

Vibration Welder 515e

515e 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.

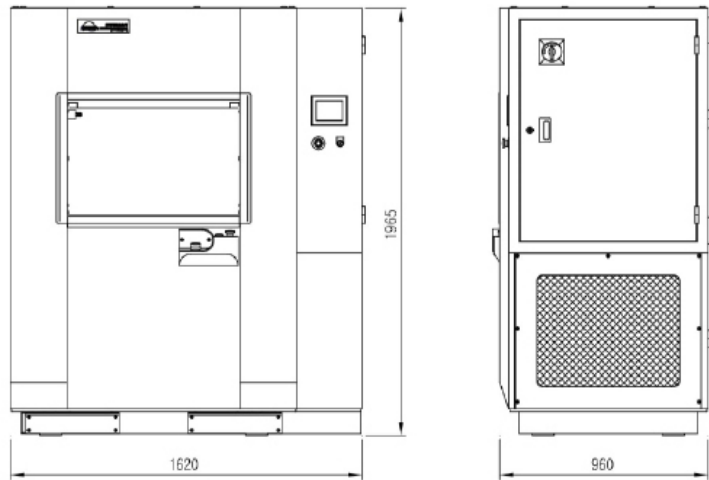
4 seconds of significantly short auto tuning time, user friendly touch panel and communication, real-time resonance frequency tracing, auto fixture recognition sensor and specialized software has been applied.

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



Applications





Advantages and Features

- » High frequency precision welding
- » IGBT technology for powerful amp output
- » Output power control
- » 2 welding mode: Depth & Time
- » Welding result analysis
- » Multi stage welding
- » Superb safety feature (Alarm function)
- » Language selection
- » Welding parameter storage function
- » Easy fixture replacement
- » Welding result storage function
- » Sound proof enclosure

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



Technical data Vibration welder 515e

	Model	515e
Vibration head	Upper tooling weight	5 ~ 12 kg
	Weld area (approx. / for PP)	50 cm ²
	Amplitude (peak to peak)	0.7 ~ 1.8 mm
	Frequency	230 ~ 260 Hz
Machine	Machine size	W 1620 × L 960 × H 1965 mm
	Front door opening	W 800 × H 540 mm
	Drive platen	W 310 × L 360 mm
	Lift table size	W 780 × L 480 mm
	Table stroke / max.	300 mm
	Distance between lift table and vibration head	495 mm
	Table speed	150 mm/s (max.)
	Clamp force	400 kg
	Hydraulic unit	Servo pump
	Hydraulic oil	ISOVG32
	Weight	1,500 kg
	Max. noise level	<85 dB *DAEYOUNG standard test sample application: PP)
	Rated input (3phase)	AC 220 V, 50/60 Hz (AC 380 V, 440 V Option)
	Power consumption	12.2 KVA
	Output power	5.5 kW
	Control voltage	DC 24 V
	PLC Type	Siemens S71500
	Operation touch panel	Siemens
	Frequency tuning	Auto/Manual
	Auto tuning	≈ 4 sec
	Welding control	Depth/Time
Stage for welding	4 Stages	
Welding paramter storage	40 Products	
Welding result analysis	Good/Bad	
Language	Korean, Chinese, English (Other languages are optional)	