

Data sheet

Vibration Welder 730e/715e

730e/715e series vibration welder equipped with high efficiency single phase output amplifier makes them suitable for welding relatively large plastic products compared to 630e/615e.

Linear scale is used for precise lift table and melt control during the welding process.

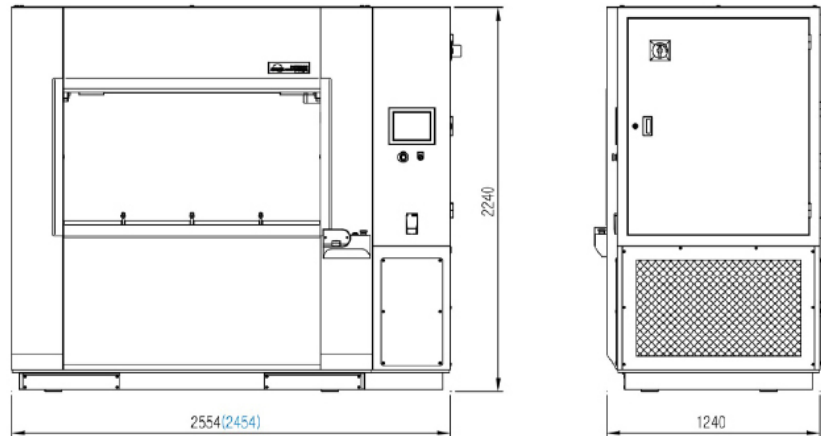
4 seconds of significantly short auto tuning time, user friendly touch panel and communication, real-time resonance frequency tracing, auto fixture recognition sensor and specialized software has been applied.

With superior welding strength and quality, they are suitable in large automobile and engineering plastic industries.



Applications





※ In the drawing value in () are for 715e

Advantages and Features

- » High frequency precision welding
- » IGBT technology for powerful amp output
- » ASIC circuit application
- » Communication with external source
- » 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

 **Your Contact**
www.telsonic.com
vibration@telsonic.com

Technical data Vibration welder 730e/715e

	Model	730e	715e
Vibration head	Upper tooling weight	35 ~ 70 kg	30 ~ 55 kg
	Weld area (approx. / for PP)	450 cm ²	280 cm ²
	Amplitude (peak to peak)	0.7 ~ 1.8 mm	0.7 ~ 1.8 mm
	Frequency	210 ~ 250 Hz	210 ~ 250 Hz
Machine	Machine size	W 2554 × L 1240 × H 2240 mm	W 2454 × L 1240 × H 2240 mm
	Front door opening	W 1500 × H 790 mm	W 1400 × H 790 mm
	Drive platen	W 1020 × L 540 mm	W 920 × L 540 mm
	Lift table size	W 1500 × L 600 mm	W 1400 × L 520 mm
	Table stroke / max.	500 mm	500 mm
	Distance between lift table and vibration head	735 mm	735 mm
	Table speed	250 mm/s (max.)	250 mm/s (max.)
	Clamp force	25 kN	25 kN
	Hydraulic unit	Servo pump	Servo pump
	Hydraulic oil	ISOVG32	ISOVG32
	Weight	4,300 kg	4,100 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	47 KVA	29 KVA
	Output power	30 kW	18,5 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 parameter 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)	
Ethernet (Communication)	Option	Option	
Fixture recognition	Auto, 15 Products	Auto, 15 Products	