

Data sheet

Vibration Welder 930e/830e

930e/830e series vibration welder, a high amplitude welding machine equipped with high efficiency single phase output amplifier makes them suitable for welding larger plastic compared to 615/630/715/730e.

Linear sensor for precise lift table position monitoring and melting control during welding process, 4 seconds of significantly short auto tuning time, user friendly touch panel and communication, real-time resonance frequency tracing, auto fixture recognition and specialized software has been applied.

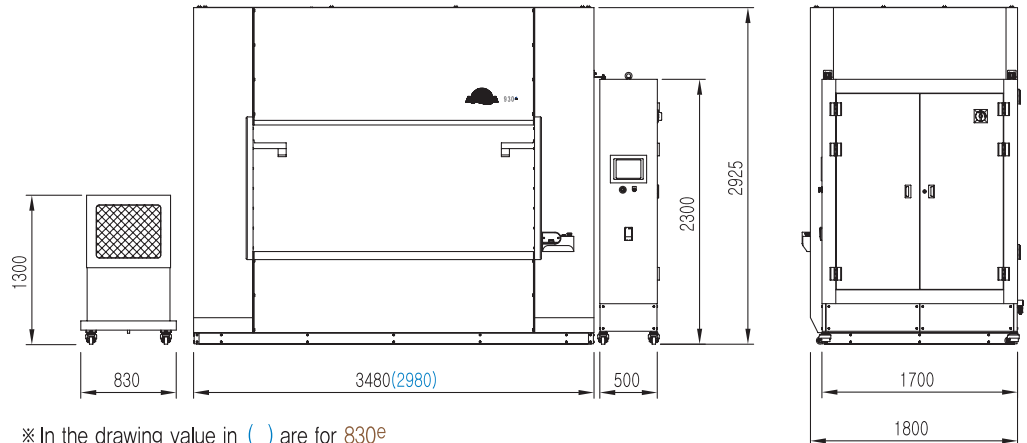
Slide cam can be adapted as an option for more complicated products.

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



Applications





※ In the drawing value in () are for 830^e

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

Technical data Vibration welder 930e/830e

	Model	930e	830e
Vibration head	Upper tooling weight	100 ~ 200 kg	105 ~ 160 kg
	Weld area (approx. / for PP)	650 cm ²	490 cm ²
	Amplitude (peak to peak)	1.0~ 3.8 mm	1.0~ 3.8 mm
	Frequency	95 ~ 120 Hz	95 ~ 120 Hz
Machine	Machine size	W 3,480 × L 1800 × H 2925 mm	W 3,480 × L 1800 × H 2925 mm
	Front door opening	W 2450 × L 1100 mm	W 1950 × L 1100 mm
	Drive platen	W 1990 × L 510 mm	W 1490 × L 418 mm
	Lift table size	W 2680 × L 850 mm	W 2180 × L 850 mm
	Table stroke / max.	800 mm	800 mm
	Distance between lift table and vibration head	1,200 ~ 1,500 mm	1,200 ~ 1,500 mm
	Table speed	250 mm/s (max.)	250 mm/s (max.)
	Clamp force	30 kN	25 kN
	Hydraulic unit	Servo pump	Servo pump
	Hydraulic oil	ISOVG32	ISOVG32
	Hydraulic unit size	W 830 × L 1250 × H 1300 mm	W 830 × L 1250 × H 1300 mm
	Weight	11,000 kg	9,000 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	47 KVA
	Output power	30 kW	30 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	4 Stages	4 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	

Your Contact



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