

Data sheet

## Vibration Welder 820s/815e

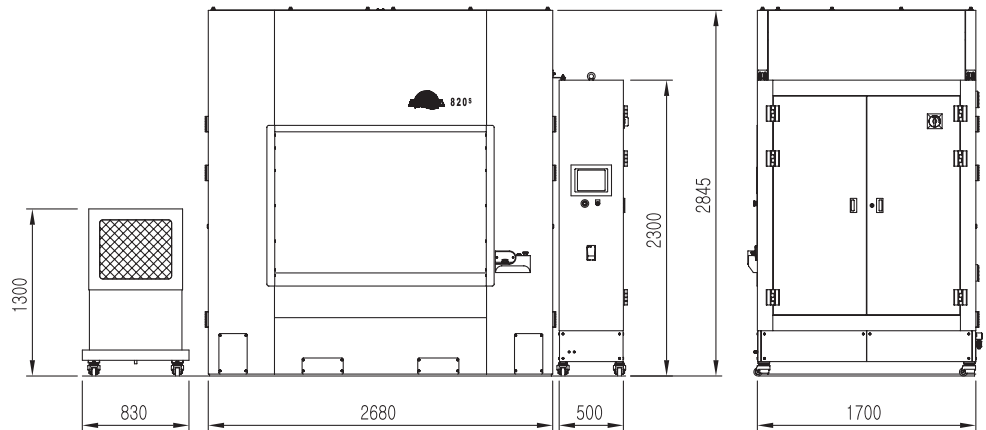
820s/815e series vibration welder compactly designed with high frequency vibration range of 210 ~250 Hz, provides powerful and reliable vibration welding performance for the upper 70 ~ 100 kg, with 800 mm lift table stroke for rather large parts. 4 seconds quick auto tuning, and user friendly functionally optimized HMI menu through our many years of know-how.



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## Applications





## 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 820s/815e

	Model	820s	815e
<b>Vibration head</b>	Upper tooling weight	50 ~ 90 kg	35 ~ 70 kg
	Weld area (approx. / for PP)	500 cm <sup>2</sup>	450 cm <sup>2</sup>
	Amplitude (peak to peak)	0.7 ~ 1.8 mm	0.7 ~ 1.8 mm
	Frequency	210 ~ 250 Hz	210 ~ 250 Hz
<b>Machine</b>	Machine size	W 2680 x L 1700 x H 2845 mm	W 2680 x L 1700 x H 2845 mm
	Front door opening	W 1600 x L 1100 mm	W 1600 x L 1100 mm
	Drive platen	W 1490 x L 540 mm	W 1020 x L 540 mm
	Lift table size	W 1825 x L 605 mm	W 1825 x L 605 mm
	Table stroke / max.	800 mm	800 mm
	Distance between lift table and vibration head	1,200 mm	1,200 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 x L 1250 x H 1300 mm	W 830 x L 1250 x H 1300 mm
	Weight	8,000 kg	7,000 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)	
Fixture recognition	Auto, 15 Products	Auto, 15 Products	

 **Your Contact**  
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