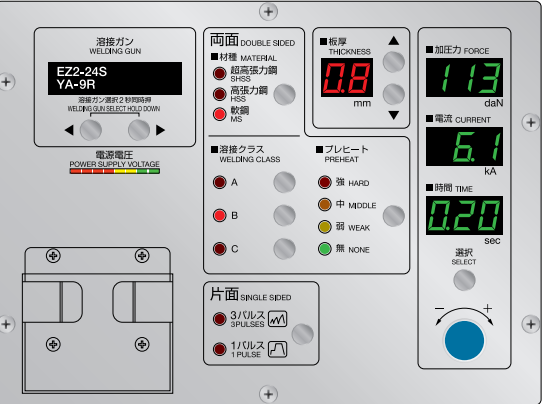


CONTROL PANEL

"Easy" setting of welding conditions.



- 1 WELDING GUN** "Product model" and "Gun model" are displayed on the LCD screen. You can change the mode of the gun. Also, when an error occurs, the error name is displayed.
- 2 MATERIAL** Select a reference steel plate and ideal welding conditions can be set. ※
- 3 THICKNESS** A reference thickness can be selected to set ideal welding conditions.
- 4 WELDING CLASS** Welding strength can be selected.
- 5 PREHEAT** Three types of preheat energization can be selected depending on the thickness of the insulation (paint, rust-proof coating, etc.) and the degree of difficulty of destruction.
- 6 SELECT** "PRESSURE", "CURRENT" and "TIME" can be fine-tuned with a dial for each button press.
- 7 BARCODE READER** Reads barcodes and sets each condition. ※
- 8 SINGLE SIDED** Two types of single-sided welding waveforms can be selected.
- 9 POWER SUPPLY VOLTAGE** Voltage is indicated by 3-color LEDs.

※For EZ2-20E, ② "Ultra-high tensile strength steel plate" for material type and ⑤ "Strong" for preheat cannot be selected. ⑦ Barcode reader cannot be installed.

BARCODE SOLUTION

"Accurate" welding conditions can be set.



The bar code of the target welding condition can be read from the bar code book and the welding condition can be set.

Item name	EZ2-25X	EZ2-25S	EZ2-24S	EZ2-24C	EZ2-20E
Bar code reader	●	●	●	●	—
Barcode book for YA-10	●	△	△	△	—
Barcode book for YA-9R	△	●	●	●	—

● Accessory △ Optional goods — Cannot be installed

EASY SET UP SYSTEM

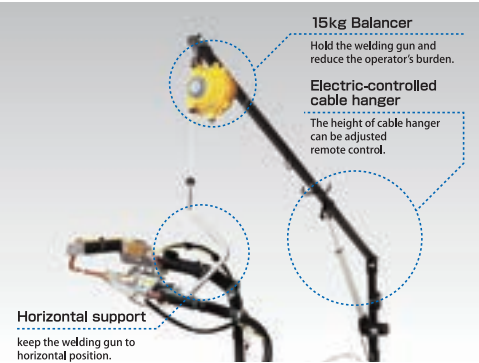
"Quick" arm exchange. (The arm can be removed by following the steps below. Installation is the reverse procedure.)

① Remove the coupler. → ② Loosen the lever. → ③ Slide the arm along the guide and remove it.



HORIZONTAL SUPPORT SYSTEM

"Light" can work.



- ① The balancer relieves the weight of the gun and cable.
- ② Hangers can be adjusted to a height that is easy to work with.
- ③ Horizontal support keeps the gun horizontal.

Item name	EZ2-25X	EZ2-25S	EZ2-24S	EZ2-24C	EZ2-20E
Electric controlled cable hanger with 15kg balancer	●	●	●	—	—
Special hanger & Spot welder support legs	—	—	—	●	●
Horizontal support	●	●	●	△	△

● Accessory △ Optional goods — Cannot be installed

AIR SPOT GUN

Capable of outputting the high pressure required for high and ultra-high tensile steel plates
The ultra-high pressurized YA-10 (TERA press) outputs 760 daN MAX (at 0.8 MPa input), while the lightweight and compact YA-9R (GIGA press) outputs 450 daN MAX (at 0.9 MPa input).



Ultra-high pressurized YA-10

MAX: 760daN
(at 0.8MPa input)
Φ16 and Φ13 shanks and tips are standard equipment



Compact and lightweight YA-9R

MAX: 450daN
(at 0.9MPa input)
Φ13 shank and tip standard equipment

Each arm has a maximum pressure endurance value. Please make sure that the output pressure value does not exceed the endurance value of the arm when using it.

SPECIFICATION						
Type	EZ2-25X		EZ2-25S	EZ2-24S	EZ2-24C	EZ2-20E
Maximum output current	12,500A			11,000A		8,500A
Standard accessory air gun	YA-10			YA-9R		
Maxim pressure	MAX: 760daN (at 0.8MPa input)		MAX: 450daN (at 0.9MPa input)			
Welding Capability	Both sides	A 級	t1.6+t1.6+t1.6			t1.0+t1.0+t1.0
	C 級		t3.0+t3.0+t3.0			t2.3+t2.3+t2.3
One side (back welding)		t1.8 (Lower plate infinite) Strength not guaranteed.				
Rated primary voltage	Three-phase 220V,380V,410V (50/60Hz)					
Rated capacity	25kVA		20kVA	13kVA	14kVA	
Max. welding input	123kVA		98kVA	92kVA	75kVA	
Allowable use rate	2%		1%		2%	
Rated current	Wiring circuit breaker 75A or more		Wiring circuit breaker 50A or more		Wiring circuit breaker 40A or more	
Primary cable	14 mm x 4 cores x 8m					8 mm x 4 cores x 8m
Secondary cable	200 mm x 2.2m (detachable)		200 mm x 2.2m		200 mm x 2.3m	
Cooling method	Circulating water cooling (gun, inverter UNIT, transformer, output cable)			Circulating water cooling (gun diode inverter UNIT)	Circulating water cooling (gun inverter UNIT)	
				Air-cooled (output cable)		
QC Function	Current value	PWM constant-current control with CPU self-calculation correction function				
	Energization time	Digital control by CPU				
	Positive pressure	Electro-pneumatic regulator digital control by CPU				
Main unit measurements	D807mm×W564mm×H906mm			D623mm×W474mm×H906mm	D613mm×W470mm×H806mm	
Main unit mass	172kg		170kg	168kg	96kg	79kg
Tank for cooling water	40L				7L	5L
A detachable secondary cable mechanism	standard equipment		optional goods		—	
Bar code reader			standard equipment		—	
Hunger	Electric controlled cable hanger with 15kg balancer			Special hanger & Spot welder support legs		
Reference standard number	JIS C 9305					

LIST OF STANDARD ACCESSORIES AND OPTIONS							
No.	Type	Item name	EZ2-25X	EZ2-25S	EZ2-24S	EZ2-24C	EZ2-20E
①	YA-10	TERA press air gun	●	△	△	△	△
②	YA-9R	GIGA press air gun	△	●	●	●	●
③	H-926	Straight shank Φ13 (water cooled)	●	●	●	●	●
④	H-929	Straight shank Φ16 (water cooled)	●	△	△	△	△
⑤	YAX-1	MEGA Press X Type	△	△	△	△	△
⑥	YEK-982D	Manual spot gun (air cooled)	△	△	△	△	△
⑦	WS-200S	Wonder stick (spring / water cooled)	△	△	△	△	△
⑧	WS-200W	Wonder stick (water cooled)	△	△	△	△	△
⑨	T-8002W	Earth plate (water cooled)	△	△	△	△	△
⑩	H-901-SS	Aluminum arm (S)	●	●	●	●	●
⑪	H-900-SS	Aluminum arm (M)	△	●	●	△	●
⑫	H-903-SS	Aluminum arm (L)	●	△	△	△	△
⑬	YAU-911W	U arm 106mm (water cooled) MAX450daN	●	△	△	●	△
⑭	YAU-935WS	U arm 350mm (water cooled) MAX350daN	△	△	△	△	△
⑮	YAU-935F	U arm 350mm Flex (water cooled) MAX300daN	△	△	△	△	△
⑯	YAU-960WS	U arm 600mm (water-cooled) MAX350daN	△	△	△	△	△
⑰	H-481	R type tip cap Φ13 (10 pcs)	●	●	●	●	●
⑱	H-434	DR type tip cap Φ13-6 (10 pcs)	△	△	△	△	△
⑲	H-433	CF type tip cap Φ13 (10 pcs)	△	△	△	△	△
⑳	H-436	EF type tip cap Φ13 (10 pcs)	△	△	△	△	△
㉑	H-435	D type tip cap Φ13 (10 pcs)	△	△	△	△	△
㉒	H-439	SD type tip cap Φ13 (3 pcs)	△	△	△	△	△
㉓	H-438	Base tip (10 pcs)	△	△	△	△	△
㉔	H-486	R type tip cap Φ16 (10 pcs)	●	△	△	△	△
㉕	H-464	DR type tip cap Φ16-6 (10 pcs)	△	△	△	△	△
㉖	H-474	DR type tip cap Φ16-8 (10 pcs)	△	△	△	△	△
㉗	CR-1	Cap tip remover Φ13	●	●	●	●	●
㉘	CR-2	Cap tip remover Φ16	●	△	△	△	△
㉙	WK-1	Wonder com	●	●	●	●	●
㉚	BR-7	Bar code reader	●	●	●	●	—
㉛	—	Barcode Book for YA-10	—	△	△	△	—
㉜	—	Barcode Book for YA-9R	△	●	●	—	—
㉝	CH-3F	Electric controlled cable hanger with 15kg balancer	●	—	●	—	—
㉞	CH-4	Special hanger & Spot welder support legs	—	—	—	●	●
㉟	CH-51	Horizontal support	●	●	●	△	△
㊱	24D004A	Hanger belt	●	●	●	●	●
㊲	CH-EX1	Spot hanger extension	—	—	—	△	△
㊳	ABU-2	Air booster UNIT	△	△	△	△	△
㊴	VUP-14	Output cable detachable mechanism	●	△	△	—	—

Varies depending on plant wiring, contracted capacity, etc.

● Accessory △ Optional goods — Cannot be installed



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<http://www.yashima-corp.jp/english/>

SPOT WELDING MACHINES EZ2 SERIES



Yashima Corporation

EZ2

SPOT WELDING MACHINES EZ2

It enables "easy," "accurate," "quick," and "light" welding operations, and achieves welding quality equivalent to that of the manufacturer's line.

To set welding conditions, simply select the standard thickness and steel plate material. Depending on the model, barcodes can also be read and set. Arm replacement is quick and improves work efficiency. Horizontal support system reduces the operator's workload.



EZ2-25X EZ2-25S EZ2-24S



EZ2-24C



EZ2-20E

The photo shows EZ2-25X.

Type	EZ2-25X	EZ2-25S	EZ2-24S	EZ2-24C	EZ2-20E
Maximum output current	12,500A		11,000A		8,500A
Standard accessory air gun	YA-10	YA-9R			
Maxim pressure	760daN (at 0.8MPa input)	450daN (at 0.9MPa input)			
Bar code reader	Standard equipment				—
Hunger	Electric controlled cable hanger with 15kg balancer			Special hanger & Spot welder support legs	
Output cable detachable mechanism	Standard equipment	option		—	
Cooling method	Circulating water cooling (gun, inverter UNIT, and transformer, secondary cable)			Circulating water cooling (diode-gun inverter UNIT)	Circulating water cooling (GUN Inverter UNIT)
				Air-cooled (output cable)	
Main unit measurements (DxWxH)	807×564×906 (mm)			623×474×906 (mm)	613×470×806 (mm)
Main unit mass	172kg	170kg	168kg	96kg	79kg

Depends on plant wiring and contracted capacity.

ACCESSORIES AND OPTIONS

The accessories and options for each model are indicated at the bottom of each product photo.

Various guns

① YA-10
TERA press air gun
Maximum applied pressure 760daN (at 0.8MPa input)
Included is R type tip cap Φ16



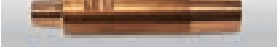
EZ2-25X

② YA-9R
GIGA press air gun
Maximum applied pressure 450daN (at 0.9MPa input)
Included is R type tip cap Φ13



EZ2-25S EZ2-24S EZ2-24C EZ2-20E

③ H-926
Straight shank Φ13 (water cooled)
Included in YA-10 and YA-9R



All models

④ H-929
Straight shank Φ16 (water cooled)
Included in YA-10



EZ2-25X

⑤ YAX-1
MEGA Press X Type
※Made-to-Order Products



option

⑥ YEK-982D
Manual spot gun (air cooled)
Included is DR type tip cap Φ13-6



option

⑦ WS-200S
Wonder stick (spring/water cooled)
Included is D type tip cap Φ13



option

⑧ WS-200W
Wonder stick (water cooled)
Included is D type tip cap Φ13



option

⑨ T-8002W
Earth plate (water cooled)



option

Various arms

⑩ H-901-SS
Aluminum arm (S)
Maximum pressure endurance value 350 daN
Included is Base tip



All models

⑪ H-900-SS
Aluminum arm (M)
Maximum pressure endurance value 350 daN
Included is R type tip cap Φ13



EZ2-25S EZ2-24S EZ2-20E

⑫ H-903-SS
Aluminum arm (L)
Maximum pressure endurance value 760 daN
Included is R type tip cap Φ16



EZ2-25X

⑬ YAU-911W
U arm 106mm (water cooled) MAX450daN
Maximum pressure endurance value 400 daN
Included is R type tip cap Φ13



EZ2-25X EZ2-24C

⑭ YAU-935WS
U arm 350mm (water cooled) MAX350daN
Maximum pressure endurance value 350daN
Included is R type tip cap Φ13



option

⑮ YAU-935F
U arm 350mm Flex (water cooled) MAX300daN
Maximum pressure endurance value 300daN
Included is R type tip cap Φ13



option

This product can be opened vertically.

⑯ YAU-960WS
U arm 600mm (water-cooled) MAX350daN
Maximum pressure endurance value 350daN
Included is R type tip cap Φ13



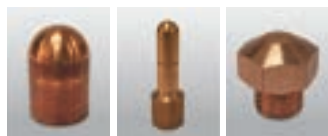
option

Various cap tips

No.	Type	Item name
⑰	H-481	R type tip cap Φ13 (10 pcs)
⑱	H-434	DR type tip cap Φ13-6 (10 pcs)
⑲	H-433	CF type tip cap Φ13 (10 pcs)
⑳	H-436	EF type tip cap Φ13 (10 pcs)
㉑	H-435	D type tip cap Φ13 (10 pcs)
㉒	H-439	SD type tip cap Φ13 (3 pcs)
㉓	H-438	Base tip (10 pcs)
㉔	H-486	R type tip cap Φ16 (10 pcs)
㉕	H-464	DR type tip cap Φ16-6 (10 pcs)
㉖	H-474	DR type tip cap Φ16-8 (10 pcs)



R20 ⑰⑳ DR ㉓㉔㉕ CF ㉑ EF ㉖



D ㉑ SD ㉒ Base tip ㉓

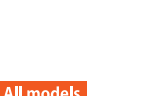
㉗ CR-1
Cap tip remover Φ13



㉘ CR-2
Cap tip remover Φ16



㉙ WK-1
Wonder corn



All models

Hanger related

㉚ CH-3F
Electric controlled cable hanger with 15kg balancer



EZ2-25X EZ2-25S EZ2-24S

㉛ CH-4
Special hanger & Spot welder support legs



EZ2-24C EZ2-20E

㉜ CH-S1
Horizontal support



EZ2-25X EZ2-25S EZ2-24S

㉝ 24D004A
Hanger belt



All models

㉞ CH-EX1
Spot hanger extension



Attached to the end of the lift hanger to increase the height by 30 cm.

option

Barcode related

Included only when the main unit is purchased.
Cannot be purchased separately.

㉟ BR-7
Bar code reader



㊱ —
Barcode Book for YA-10



㊲ —
Barcode Book for YA-9R



EZ2-25X EZ2-25S EZ2-24S EZ2-24C

Other

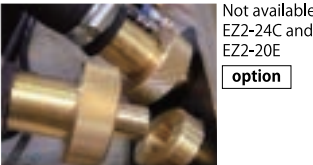
㊳ ABU-2
Air booster UNIT



Built-in air pressure booster

option

㊴ VUP-14
Output cable detachable mechanism



Not available for EZ2-24C and EZ2-20E

option