

Standard & Optional accessories

Air Spot GUN

Super high pressure
TERA press **YA-10**
MAX : 670daN
(Input pressure 0.7MPa)

Lighter and compact
GIGA press **YA-9R**
MAX : 450daN
(Input pressure 0.9MPa)

- Shank size selectable : $\phi 13$ or $\phi 16$
- Up to tips, electrified components are entirely water cooled.
- The electrode with the same shape as used in car manufacturing is used.



Single-sided welding gun (water cooled)

⑯ WS-200S ⑰ WS-200W ⑱ T-8002W

This gun is suitable for temporary single-sided welding.
The spring assists in controlling the pressure to the panel.

Specifications

Type	YSI-25EZ-P
Input voltage	AC 400V 50/60Hz Three phase
Control system	Inverter P.W.M.
Rated input current	25kVA
Maximum input current	123kVA
Maximum output current	12,500A
Allowable use rate	2%
Max pressure	YA-9R gun 450daN(input pressure 0.9MPa) Option YA-10 gun 670daN(input pressure 0.7MPa)
Welding capability	Double Class A t1.6+t1.6+t1.6 sided Class B t3.0+t3.0+t3.0 Single-sided t1.8
Max number of points to weld	600 points
Input cable	14mm \times 4-core \times 8m
Output cable	200mm \times 2.2mm \times 2pieces (water cooled)
Cooling system	Water cooling
QC System	Welding current Automatic welding current control by CPU Welding time Digital control by CPU Welding force Welding force control by electric pneumatic regulator
Dimension	D807mm \times W564mm \times H906mm
Weight	172Kg(includes cooling water 40L)
Required breaker	40A

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1	YA-10	TERA press air spot gun	○
2	YA-9R	GIGA press air spot gun	△
3	YAX-1	MEGA press X type	△
4	H-903	Aluminum arm(L) Max.670daN	○
5	H-528	Elbow shank $\phi 16$ (water cooled)	○
6	H-900	Aluminum arm(M) Max.350daN	△
7	H-526	Elbow shank $\phi 13$ (water cooled)	△
8	H-901	Aluminum arm(S) Max.350daN	○
9	H-927	Narrow shank (water cooled)	○
10	H-929	Straight shank $\phi 16$ (water cooled)	○
11	H-926	Straight shank $\phi 13$ (water cooled)	○
12	YAU-911W	U arm 106mm (water cooled) Max.300daN	○
13	YAU-930W	U arm 300mm (water cooled) Max.220daN	△
14	YAU-960WS	U arm 600mm (water cooled) Max.300daN	△
16	H-433	CF type tip cap $\phi 13$ (10 pcs.)	△
17	H-481	R20 type tip cap $\phi 13$ (10 pcs.)	○
18	H-435	D type tip cap $\phi 13$ (10 pcs.)	△
19	H-436	EF type tip cap $\phi 13$ (10 pcs.)	△
20	H-439	SD type tip cap $\phi 13$ (3 pcs.)	△
21	H-438	Base tip cap (10 pcs.)	△
22	H-484	DR type tip cap $\phi 16-6$ (10 pcs.)	△
23	H-474	DR type tip cap $\phi 16-8$ (10 pcs.)	△
24	CR-1	Cap tip remover $\phi 13$	○
25	CR-2	Cap tip remover $\phi 16$	○
26	WK-1	Wonder kom	○
27	BR-5	Barcode reader	○
28	BR-3	Barcode book	○
29	CH-81	Horizontal support	○
30	CH-3F	Electric controlled cable hanger with 15Kg balancer	○
31	WS-200S	Wonder stick(spring, water cooled)	△
32	WS-200W	Wonder stick(water cooled)	△
33	T-8002W	Earth plate(water cooled)	△

○ Standard △ Optional

Car manufacturing quality welding
brought to every operator
in every bodyshop.

Intelligent TACTIS! "EZ"



YSI-25EZ
Professional
25 Professional

Intelligent TACTIS! EZ 25 Professional

MAX Current : 12,500A
MAX Pressuer : 670daN
ALL WATER COOLING

Yashima

YASHIMA CORPORATION

TOKYO, JAPAN

●http://www.yashima-net.co.jp

YASHIMA CORPORATION

Ver.3 Program

Through mastering the YSI-25EZ in your everyday work, a superior technical quality weld can be achieved. This idea comes from human engineering.

Intuitively
Handling simply
Operating easily



Simple digital display.
Intuitive controlling display panel.
Basic operation is metal thickness setting only.
Large control buttons make sure your operation.
No misoperation with working gloves on.

- ① Fine adjustment for timer and current
After setting the function you can adjust the timer and the current level can be adjusted to suit your needs.
- ② Barcode reader
To make all necessary welding condition settings with barcode scanning.
- ③ Preheat current selection
Depending on the thickness of isolation i.e. paint and anti-rust coating three types of preheat current can be chosen.
- ④ High kinds of temper current can be selected
590MPa level for high strength steel
980MPa level for super high strength steel
- ⑤ Base metal thickness selection
Just set the metal thickness, the ideal welding conditions will be displayed and all conditions are controlled automatically. These settings can be manually over-ridden for fine turning.
- ⑥ Formulated welding nugget selection
This selection is for formulated three sizes of welding nugget.
A: $6\sqrt{t}$ B: $5\sqrt{t}$ C: $4\sqrt{t}$ (t=base metal thickness)

Current correction circuit system : This system controls the current level automatically which is not influenced by any external forces.

Automatic pressure control system : The electro pneumatic regulator will control the air pressure automatically.

Bad welding monitoring system : A light on the machine will flash to warn of poor welding.

THE BARCODE SOLUTION



Barcode labels can be attached to areas that are to be welded.

Everyday operations are streamlined using the barcode scanner.
A barcode scanner allows operators to appropriate welding conditions and maintain the highest quality with just a simple scan.

Just a simple scan and no more complicated settings.

Make your own barcode manual by applying the stickers to your own welding manuals.

Scan the barcode book!

HORIZONTAL SUPPORT SYSTEM

A welding gun that can be maneuvered in the lightest possible way, no manner how high or low.

The horizontal balance support achieves weightless balance.



From high or low the new variable hanger and weightless balancer achieve the highest possible operation.



The angle of the gun can even reach the inside of any tricky wheel arches.



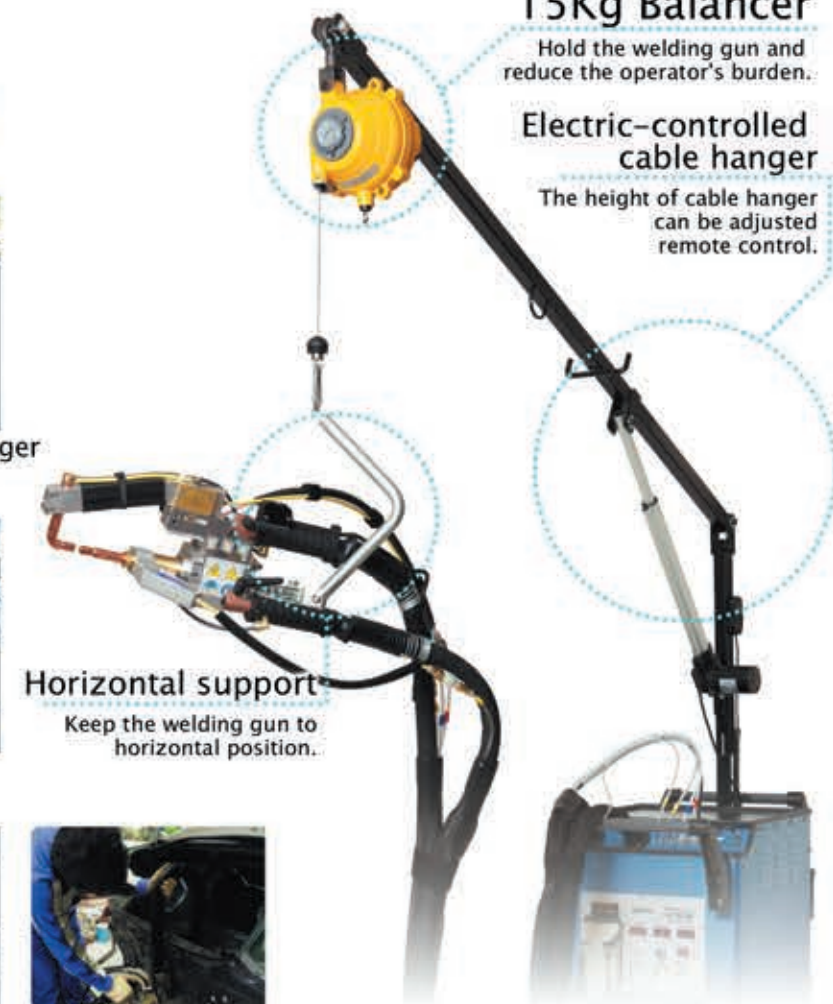
The U-arm can be operated by one person.

15Kg Balancer

Hold the welding gun and reduce the operator's burden.

Electric-controlled cable hanger

The height of cable hanger can be adjusted remote control.



Horizontal support

Keep the welding gun to horizontal position.

EASY & SIMPLE SET UP SYSTEM

Quick and easy arm change! No water leaking!



Let's change arms.

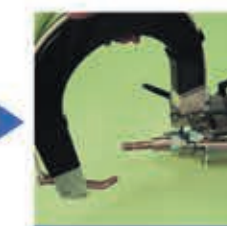
Couplers can be detached with just a touch and no leaking.



Turn the lever to release the arm.



Turn the arm 45° degrees and just pull! Without tools!!



Insert one of the arms and just fasten the lever.



All arm change process is finished!

One-touch and Go!