


Standard & Optional accessories



Air Spot GUN

Lighter and compact


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

Super high pressure


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

- Shank size selectable : ϕ 13 or ϕ 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)



31 WS-200S



32 WS-200W




33 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 |


Arms




6 H-900+ 7 H-526




8 H-901+ 9 H-927




4 H-903+ 5 H-528



13 YAU-930W



12 YAU-911W



14 YAU-960WS

Tips



17 H-481



16 H-433



18 H-435



19 H-436



20 H-439



21 H-438

| Standard & Optional accessories | | |
|---------------------------------|-----------|---|
| 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 ϕ 16 (water cooled) ○ |
| 6 | H-900 | Aluminum arm(M) Max.350daN △ |
| 7 | H-526 | Elbow shank ϕ 13 (water cooled) △ |
| 8 | H-901 | Aluminum arm(S) Max.350daN ○ |
| 9 | H-927 | Narrow shank (water cooled) ○ |
| 10 | H-929 | Straight shank ϕ 16 (water cooled) ○ |
| 11 | H-926 | Straight shank ϕ 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 ϕ 13 (10 pcs.) △ |
| 17 | H-481 | R20 type tip cap ϕ 13 (10 pcs.) ○ |
| 18 | H-435 | D type tip cap ϕ 13 (10 pcs.) △ |
| 19 | H-436 | EF type tip cap ϕ 13 (10 pcs.) △ |
| 20 | H-439 | SD type tip cap ϕ 13 (3 pcs.) △ |
| 21 | H-438 | Base tip cap (10 pcs.) △ |
| 22 | H-464 | DR type tip cap ϕ 16-6 (10 pcs.) △ |
| 23 | H-474 | DR type tip cap ϕ 16-8 (10 pcs.) △ |
| 24 | CR-1 | Cap tip remover ϕ 13 ○ |
| 25 | CR-2 | Cap tip remover ϕ 16 ○ |
| 26 | WK-1 | Wonder korn ○ |
| 27 | BR-5 | Barcode reader ○ |
| 28 | BR-3 | Barcode book ○ |
| 29 | CH-S1 | 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

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.

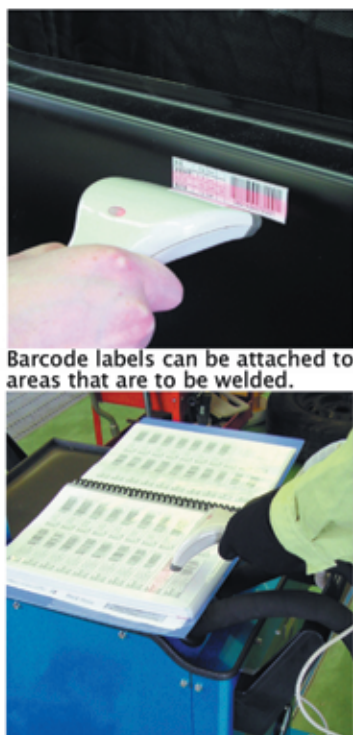
- ① Fine adjustment for timer and current
After setting the function you can adjust the timer and the current level can be adjusted to suit your needs.
- ② Barcode reader
To make all necessary welding condition settings with barcode scanning.
- ③ Preheat current selection
Depending on the thickness of 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.

Scan the barcode book!

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.

HORIZONTAL SUPPORT SYSTEM

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

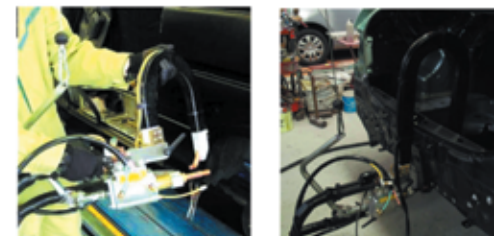
The horizontal balance support achieves weightless balance.



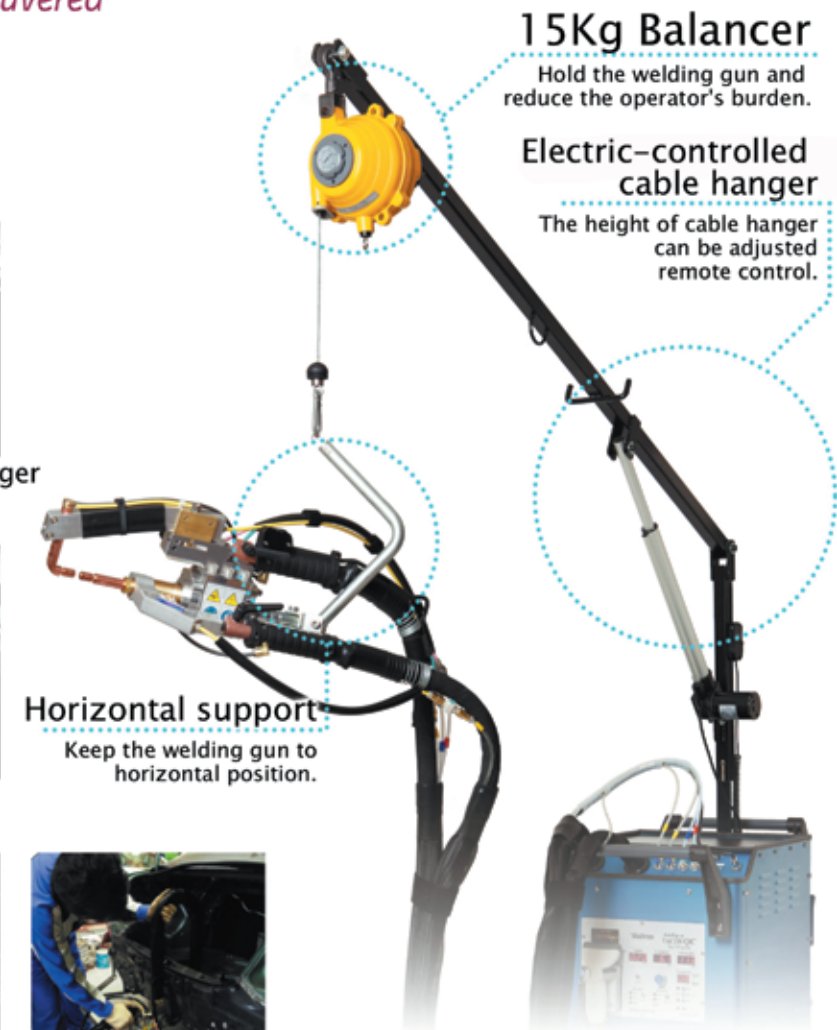
From high or low the new variable hanger and weightless balancer achieve the highest possible operation.



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

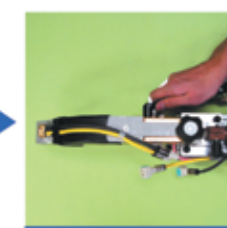
Keep the welding gun to horizontal position.

EASY & SIMPLE SET UP SYSTEM

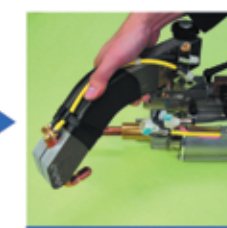
Quick and easy arm change! No water leaking!



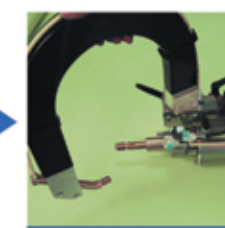
Couplers can be detached with just a touch and no leaking.



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!