


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 : φ13 or φ16
- 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)

WS-200S

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






WS-200W      T-8002W




Specifications

|                              |                 |   |   |  |  |
|------------------------------|-----------------|---|---|--|--|
| Type                         |                 |   | YSI-25EZ                                |  |  |
| 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)           |  |  |
|                              | YA-10 gun       |   | 670daN(input pressure 0.7MPa) Option    |  |  |
| Welding capability           | Double sided    | Class A   | t1.6+t1.6+t1.6                          |  |  |
|                              |                 | Class B   | t3.0+t3.0+t3.0                          |  |  |
|                              | Single-sided    |   | t1.8                                    |  |  |
| Max number of points to weld |                 |   | 600 points                              |  |  |
| Input cable                  |                 |   | 14mm <sup>2</sup> ×4×8m                 |  |  |
| Output cable                 |                 |   | 200mm <sup>2</sup> ×2.2m (water cooled) |  |  |
| Cooling system               |                 |   | Water cooling                           |  |  |
| QC                           | Welding current | Automatic welding current control by CPU              |   |  |  |
| System                       | Welding time    | Digital control by CPU                                |   |  |  |
|                              | Welding force   | Welding force control by electric pneumatic regulator |   |  |  |
| Dimension                    |                 |   | D807mm×W564mm×H906mm                    |  |  |
| Weight                       |                 |   | 170Kg                                   |  |  |
| Required breaker             |                 |   | 40A                                     |  |  |

### Arms









H-900+ H-526      H-901+ H-927      H-903+ H-528



YAU-930W      YAU-960W      YAU-955S

### Tips



H-434      H-433      H-435      H-436      H-439      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 φ16 (water cooled)                      | △ |
| 6  | H-900    | Aluminum arm(M) Max.350daN                          | ○ |
| 7  | H-526    | Elbow shank φ13 (water cooled)                      | ○ |
| 8  | H-901    | Aluminum arm(S) Max.350daN                          | ○ |
| 9  | H-927    | Narrow shank (water cooled)                         | ○ |
| 10 | H-929    | Straight shank φ16 (water cooled)                   | △ |
| 11 | H-926    | Straight shank φ13 (water cooled)                   | ○ |
| 12 | YAU-911W | U arm 106mm (water cooled) Max.300daN               | △ |
| 13 | YAU-930W | U arm 300mm (water cooled) Max.220daN               | △ |
| 14 | YAU-960W | U arm 585mm (water cooled) Max.120daN               | △ |
| 15 | YAU-955S | U arm 500mm (water cooled) Max.250daN               | △ |
| 16 | H-433    | CF type tip cap φ13 (10 pcs.)                       | △ |
| 17 | H-434    | DF type tip cap φ13-6 (10 pcs.)                     | ○ |
| 18 | H-435    | D type tip cap φ13 (10 pcs.)                        | △ |
| 19 | H-436    | EF type tip cap φ13 (10 pcs.)                       | △ |
| 20 | H-439    | SD type tip cap φ13 (3 pcs.)                        | △ |
| 21 | H-438    | Base tip cap (10 pcs.)                              | △ |
| 22 | H-464    | DR type tip cap φ16-6 (10 pcs.)                     | △ |
| 23 | H-474    | DR type tip cap φ16-8 (10 pcs.)                     | △ |
| 24 | CR-1     | Cap tip remover φ13                                 | ○ |
| 25 | CR-2     | Cap tip remover φ16                                 | △ |
| 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



## YASHIMA CORPORATION

TOKYO, JAPAN

●<http://www.yashima-net.co.jp>

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

Intelligent TACTIS! "EZ"



**YSI-25EZ**  
Standard  
25 Standard

Intelligent TACTIS! EZ 25 Standard

MAX Current : 12,500A  
Max Pressuer : 450daN  
ALL WATER COOLING

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.

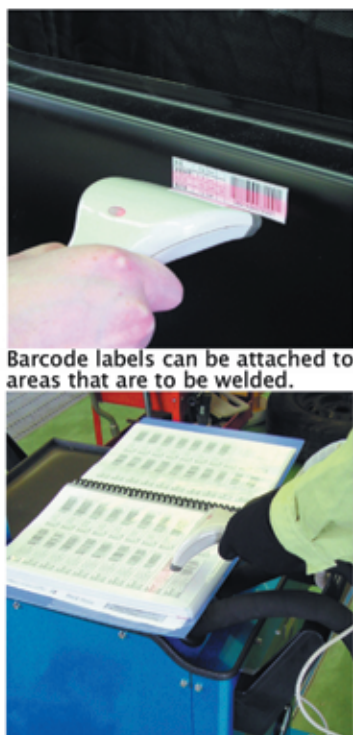
- ① Fine adjustment for timer and current  
After setting the function you can adjust the timer and the current level can be adjusted to suit your needs.
- ② Barcode reader  
To make all necessary welding condition settings with barcode scanning.
- ③ Preheat current selection  
Depending on the thickness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

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 manner how high or low.

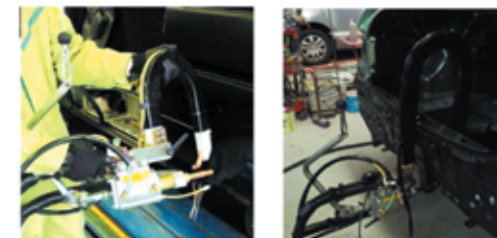
The horizontal balance support achieves weightless balance.



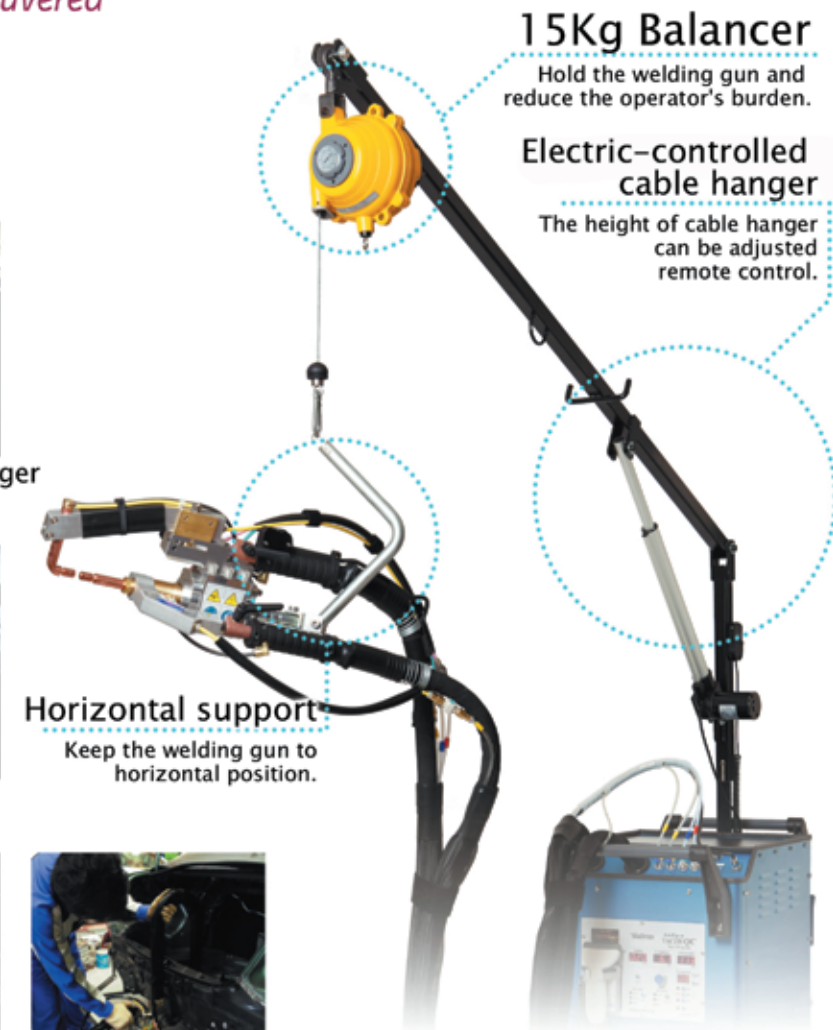
From high or low the new variable hanger and weightless balancer achieve the highest possible operation.



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.

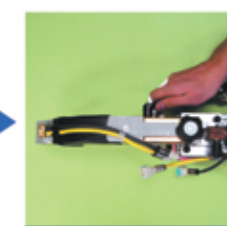
## EASY & SIMPLE SET UP SYSTEM

Quick and easy arm change! No water leaking!

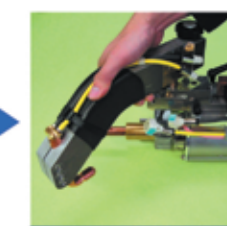


Let's change arms.

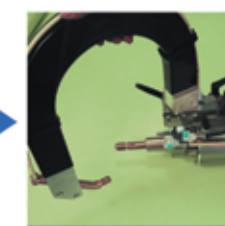
Couplers can be detached with just a touch and no leaking.



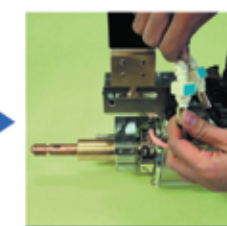
Turn the lever to release the arm.



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!