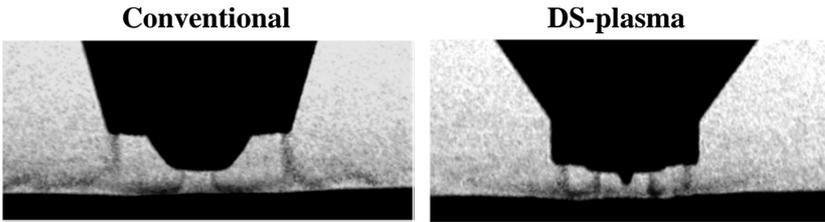




## DS-plasma welding process as compared with the conventional one

### Difference in gas flow



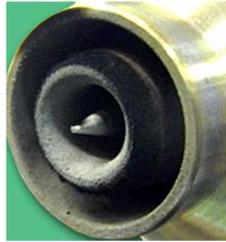
Difference in attached amount of zinc (SPC1.2t 45g/m<sup>2</sup>) Weld length:25cm

### Conventional



After 60 times of welding

### DS-plasma



After 100 times of welding

(Condition: 160A, 100cm/min)

● Attachment of zinc vapor is least.

## Weldability

### Examples of bead ( Amount of zinc coating)

Condition : 100cm/min

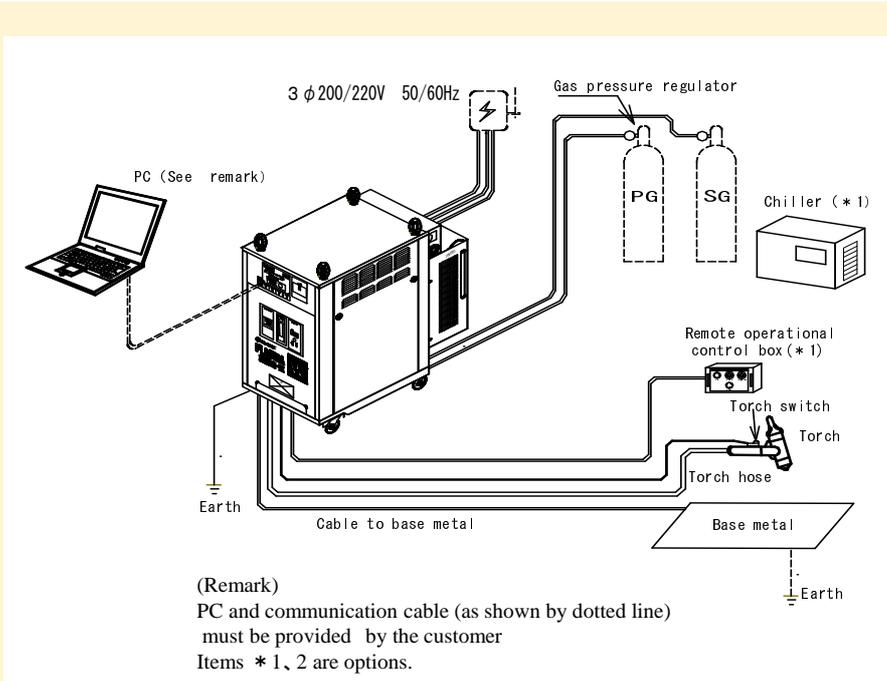
### Front bead



### Back bead

● Smooth, beautiful bead is obtained.

## System composition



## Plasma welding power source

Type	<ul style="list-style-type: none"> <li>•NW-150AH-III-DS</li> <li>•NW-350AH-III-DS</li> </ul>
Specification	For details see catalog of III types of plasma welding machines.

## Plasma torch

Type	107WH-DS	504WH-DS
Rated output current	250A	350A
Rated duty cycle	60%	100%
Water cooling method	Indirect water cooling	Direct water cooling
Length of torch hose	5m, 10m	

## ⚠ Cautions for safety

- This machine should be installed in an indoor ventilated area away from inflammables.
- Please read the operational manual well for correct use.

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## Distributor

※This contents of this catalog are subject to change without notice.