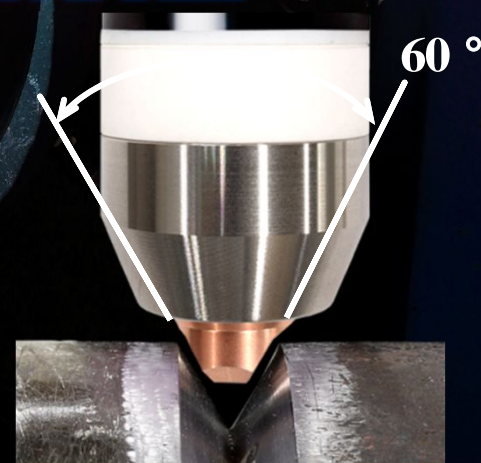
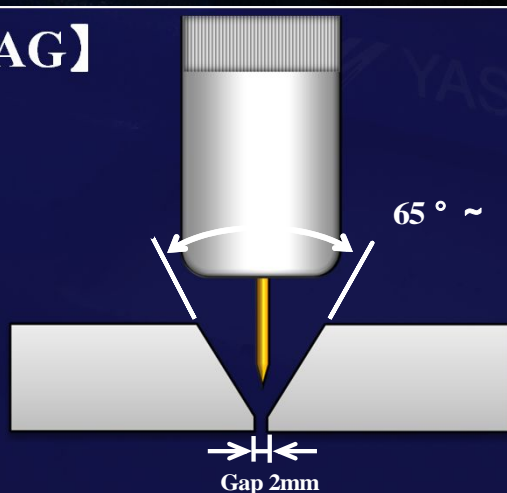


Solving Problems of Pipe Welding with Plasma Welding

- No defects by keyhole welding
- Simplified groove processing
- Easy to check the back bead

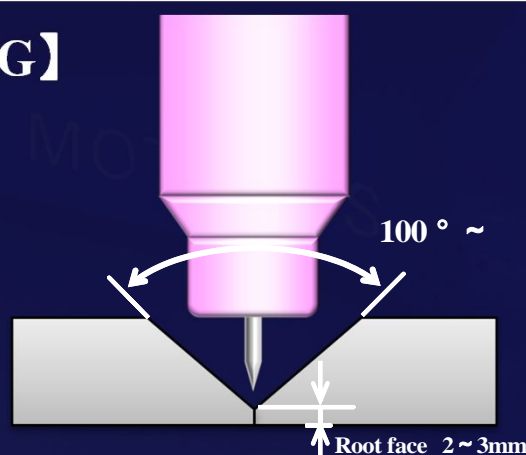


【MAG】



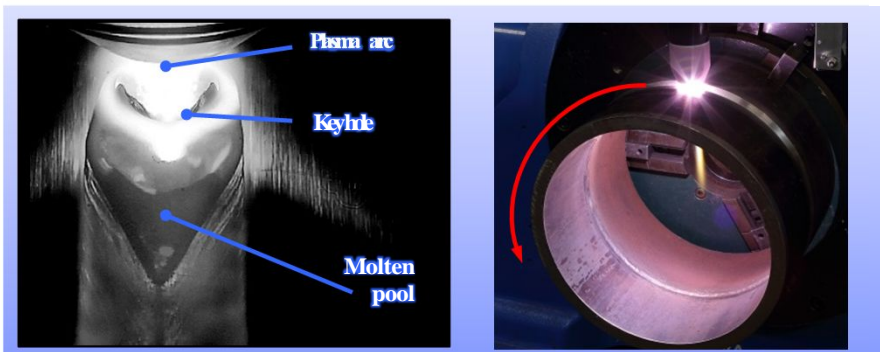
- × Cannot produce stable back bead
- Temporary attachment part
- GAP
- × Difficult to control gaps

【TIG】



- × Cannot produce stable back bead
- Temporary attachment part
- GAP
- Root dimension precision is required
- × Groove angle 100° or more is required

Plasma key hole welding

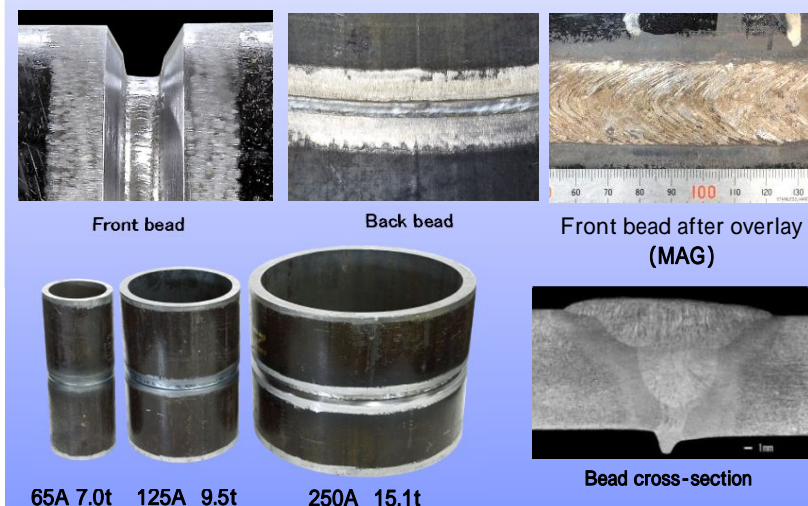


Scope of application

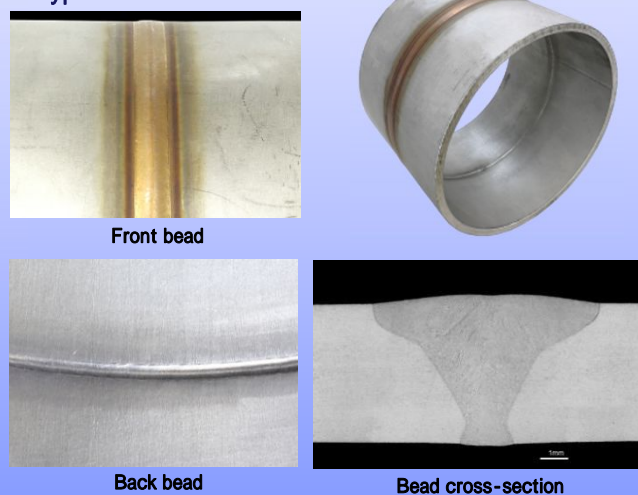
Pipe dia.	65A ~ (76 ~)	
Thickness	MAX 16t (Plate thickness of 16 mm or more must be checked.)	
Base metal	SS	SUS
Groove shape	I type	I type
Groove shape	2 ~ 3mm	3 ~ 5mm
Groove angle	60 ° ~	
Welding position	Torch: flat position Pipe: rotate	
Wire	We select the wire according to the steel type and required specifications	

Welding example

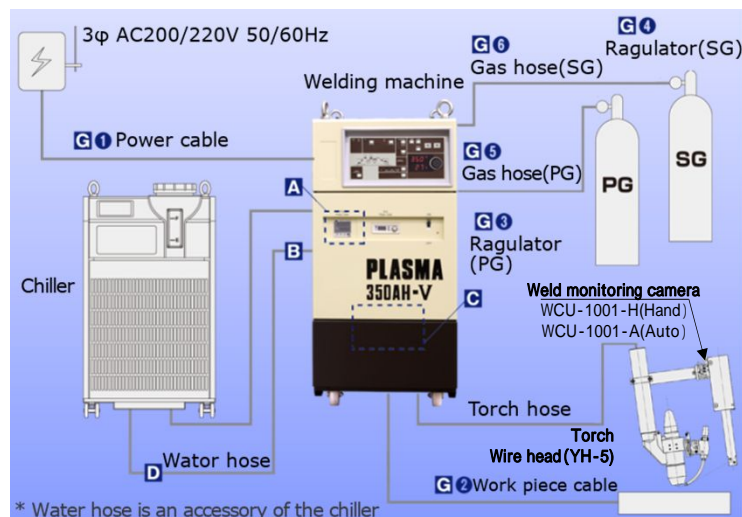
Y type butt SS 250A 15.1t



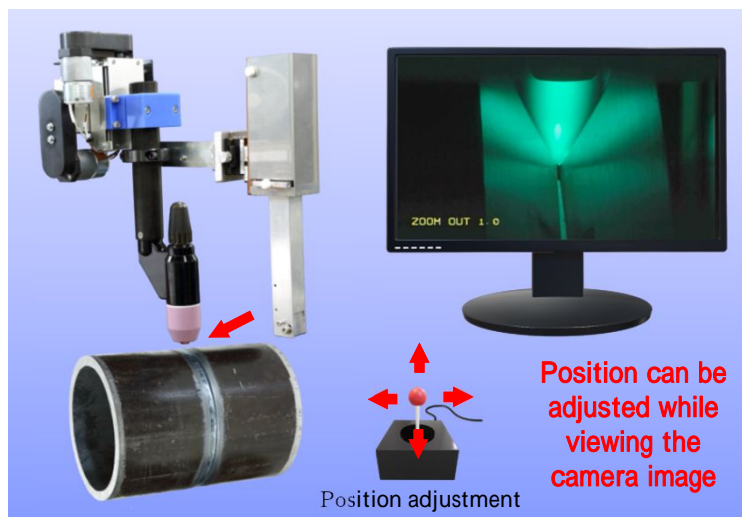
I type butt SUS304 125A 5.0t



Configuration



Arc monitor following the torch



We can design and manufacture devices upon request.



Safety precautions

Set this machine at places indoor where ventilation is possible and there are no combustibles.
Before operating this machine, read the instruction manual carefully to ensure proper use.



Plasma welding machinery unit

Our company website
Website of Plasma welding machinery unit

<https://www.weld.nipponsteel.com/>
<https://www.weld.nipponsteel.com/products/plasma/>