

Hand plasma powder overlay welding system

NS-HW-P

**Powder overlay can be done
by hand welding!**

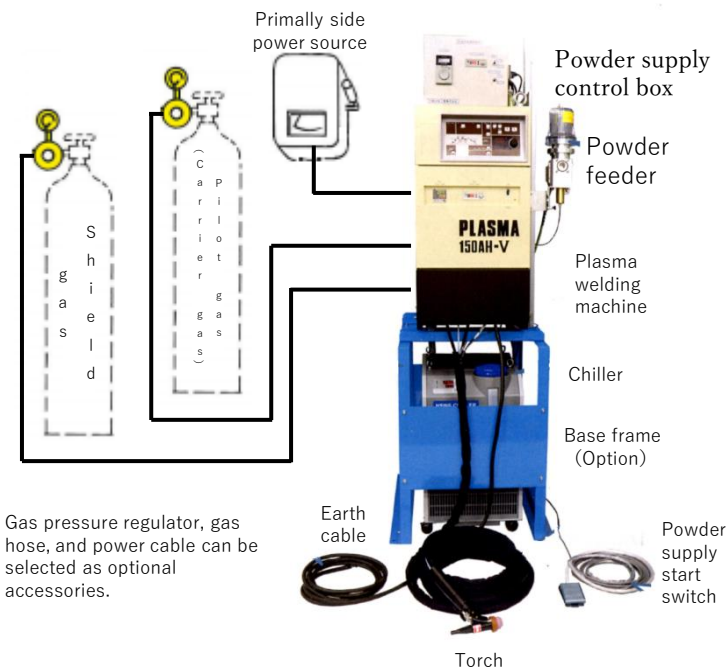
**Easy to repair welding
and harden small areas!**



Features

- ◇ Plasma powder overlay becomes relatively easy by hand welding (semi-automatic welding).
- ◇ Hand welding makes it possible to overlay only necessary sections. Ideal for repair welding and application to small quantities of many kinds of parts.
- ◇ Plasma powder coating is possible without using a large-scale apparatus.
(Automatic machine can be substituted depending on the skill of the worker.)
- ◇ System configuration saves space.
- ◇ Powder feeder with inversion mechanism for easy powder replenishment and replacement work.

Specification & Configuration



Plasma welding machine

Type		NW-150AH-V
Input voltage		3ϕ AC 200 / 220V ± 10% 50/60 Hz
Rated output current	A	150
Output current Range	A	5-150
Rated duty cycle	%	70
Outside dimensions (W×D×H)	mm	400×690×840
Weight	kg	About 70
Pilot gas flow rate	ℓ /min	0.1~5.0
Shield gas flow rate	ℓ /min	0.5~25

Torch

Type		106WH-P
Rated output current	A	150
Rated duty cycle	%	70
Torch hose length	m	3.6 or 7.7
Weight	g	About 700 (Water is not include)

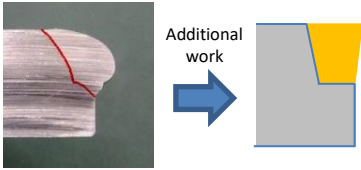
Chiller

Type		NC-3500V
Input voltage		1ϕ AC 200 / 220V ± 10% 50/60 Hz
Cooling capacity	kW	2.00/2.20
Ambient temperature range	°C	5~40°C
Outside dimensions (W×D×H mm)		534×405×398
Weight	k g	About 43 (Water is not include)

Powder feeder

Type		PH-3C
Amount of powder to be fed	g/min	5~20
Capacity	L	0.45 (Short type) 1.20 (Long type)
Applicable powder		Spherical shape 100~250 μ m
Weight	Kg	About 6 (Powder not include)

Applicable example of overlay weld (Repair welding ・ Partial overlay)

					
Plane	Mold, Forging hammer	One-side groove	Crushing blade tip	Edge	Worn part, Crushing drill blade



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.



Our company website <https://www.weld.nipponsteel.com/>
Website of Plasma welding machinery unit <https://www.weld.nipponsteel.com/products/plasma/>

Plasma welding machinery unit

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