



03. Vacuum Melting / Casting System

Vacuum melting is used in many applications, for example, complex alloys for aerospace and electronic because of flexibility, easy operation, low losses of alloying elements etc.... Vacuum melting is proper to special alloys which reacts severely with atmospheric oxygen so it is suitable for the production of high - purity metals under oxygen - free atmosphere.

Vacuum Induction Melting & Continuous Casting

We had been developed this system Long time ago and we have sold several systems to the manufacturer of Au wire and Cu wire for semiconductor application.

The metal melts under induction heating and vacuum and then, cast continuously to the downwards.

Recently, we are developing the system for shape memory (Ti + Ni) alloy and it will be broaden to the high valued metal castings.

Vacuum Arc Melting / Pressing System

We developed this system for the production of sheets of amorphous alloys for mobile phone case, golf head, etc... The amorphous alloy melts on copper plate by arcing under vacuum and then, pressed in a second by specially designed pressing tools.

Vacuum Melting / Casting System (*Goodcasty ZMM & ZMC Standard Series*)

Description	Standard Model	ZMM - 10	ZMC - 10
Melting	Power	Induction	Induction
	Crucible	Graphite	Graphite
	Capacity	1 ~ 10Kg (Iron)	1 ~ 10Kg (Iron)
Casting	Type	Mold Casting (Option)	Continuous Vertical Casting
	Mold	Graphite, Copper or Steel	
	Nozzle	None	Special Designed Graphite
	Product	rod	φ8 ~ φ10mm wire
Control	Temperature	PID	
	Power	TPR	
Application		Gold, Copper, Aluminum, etc	Gold Wire, Copper Wire, Shape Memory Alloy Wire, etc.