

Shot Maker SM1 (option)

By installing the Yasui shot Maker SM1 (optional accessory), you can easily produce shots of minimum oxidation.

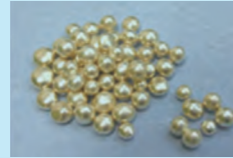
Molten metal, protected by atmosphere of protection inert gas after vacuuming, is dropped into cold water.

This Yasui's uniquely-designed system minimizes oxidation of metal.

Another advantage is that no electricity is used, and shots can be easily formed in appropriate sizes by water power only.



Waterflow in the Shot Maker (enlarged view)



Produced Shots

SPECIFICATIONS

Model	VPC K2 NEXT 8Kw	VPC K2 NEXT 5Kw
Casting system	Vacuum pressure casting system Max.pressure 0.3MPa, with internal gas tank	
Replacing gas	Single gas (Argon)	
Program memory	100 memories	
Control	Specially designed micro-processor control. Temperature control by PID with accuracy of +/-2degrees centigrade.	
Heating	Induction heating (with specially designed metalstirring function)	
Oscillation	8KW	5KW
Cooling Water	Tap water direct cooling system more than 3L/min, more than 1.5kgf/cm ² , Less than 30°C	
Flask	Flask is elevated by the air cylinder to secure tight gas sealing and, as a result, perfect atmosphere separation of in-&out-flask.	
Max.flask size	Standard: 125mm dia.x230mm(H)	
	Option: 125mm dia.x300m m(H)	
Crucible volume	242cc	158cc
Max.casting amount	Volume	150cc
	Weight	24K: 3.0Kg 18K: 2.3Kg 14K: 2.1Kg 925Ag: 1.5Kg
Shot maker	Option (Shot Maker SM1)	
Data output	Option: USB Memory (2-16GB)	
Max.temp.	K-type	1200degrees C
	R-type	1450degrees C
Ultimate vacuum	0.1 to 10hPa (depends on the vacuum pump)	
Vacuum filter	Hight mesh, replaceable from the front panel	
Power source	220V +/-10%, 50/60Hz 3 phase, 9.5KVA	220V +/-10%, 50/60Hz 3 phase, 6.5KVA
Net Weight	Approx. 250Kg	

*Specially-made connecting cable (option) is necessary.

●Product information is as of June, 2014. Such information including specifications will be subject to change without prior notice.

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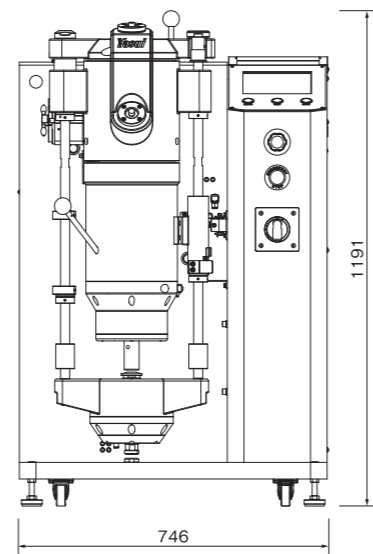
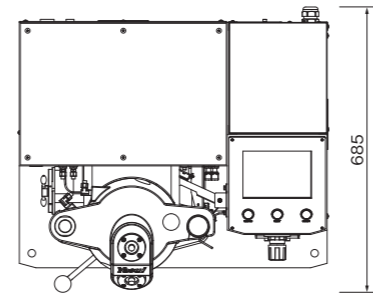
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Yasui®

K2 NEXT

VACUUM PRESSURE CASTING MACHINE

Your NEXT Machine



(Unit : mm)

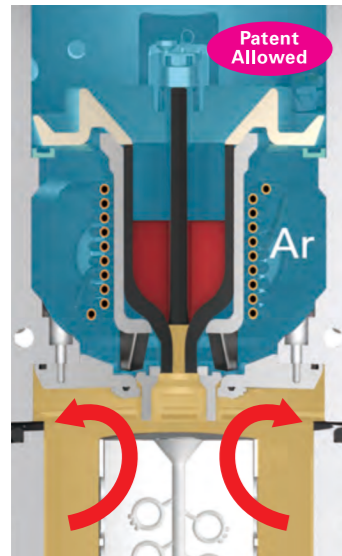
NEXT machine creates Quality

O₂ FREE OXY-Free Aftermode

Aftermode without Oxidation

No metal leakage is necessary especially for Stone set flask. It is obliged to insert flask after metal is melted. Existing Aftermode cannot avoid oxidation of metal & crucible in inserting flask.

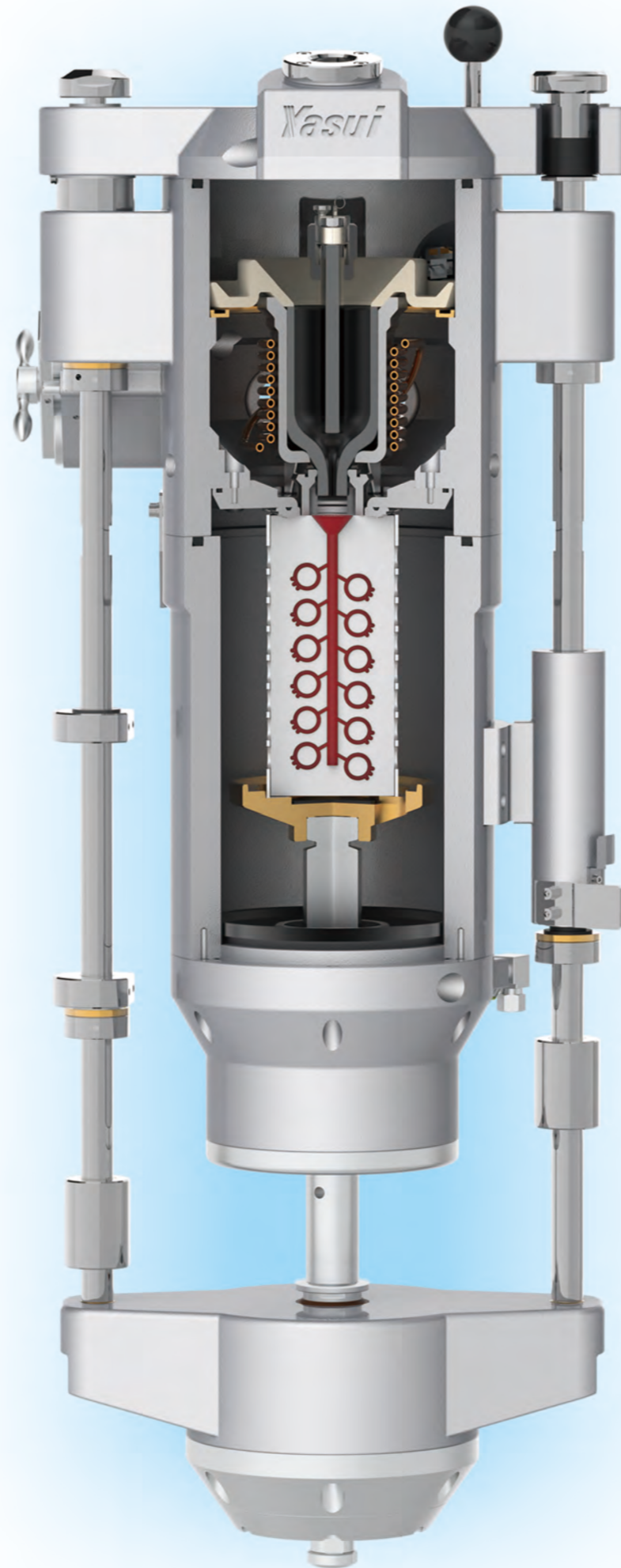
Yasui Aftermode provides MINIMUM insert gas consumption to avoid oxidation with enough experience through our highest model VPC KT18 since 2006.



OXY Free Adaptor



Graphite protection pot for metal leakage



De-Gas Patent Allowed

Exhaust Gas from metal contacted Investment for Dense Casting

Gypsum generates Gas in metal contacting investment. This can be causes of porosities or not filled through its gas remaining in the cast tree.

On the other hand, it is true mistake in pressure timing causes increase of non-filled casting pieces.

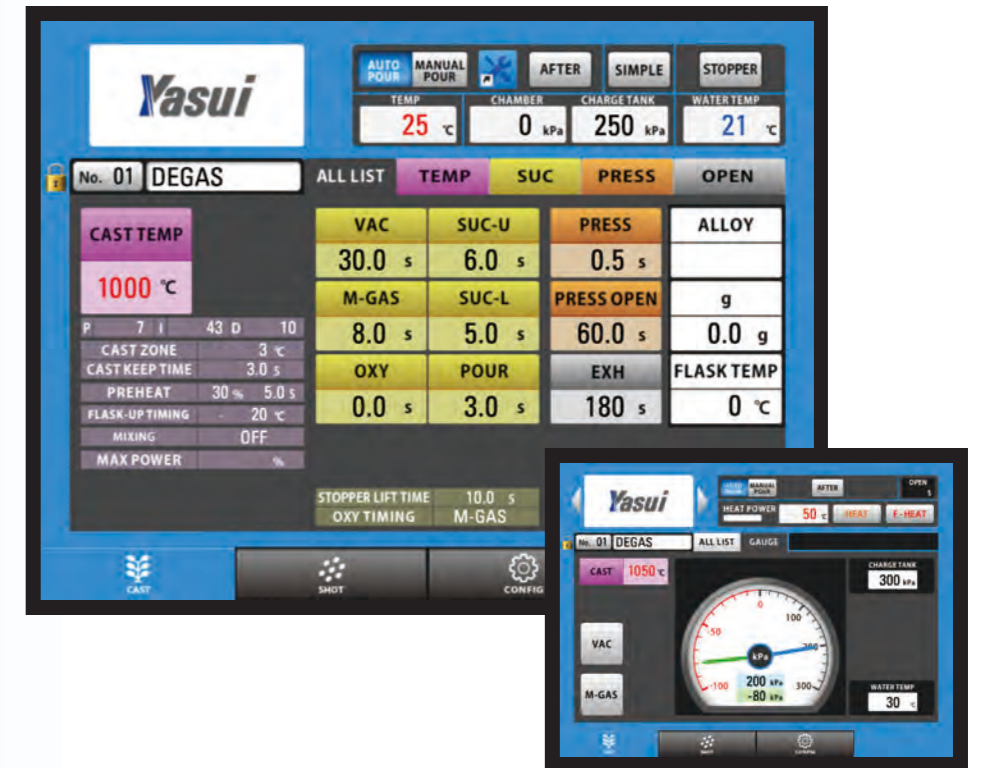
Yasui DeGas system provides optimum DeGas & its timing to minimize non-filled pieces in casting.



E-Touch YASUI common Touch Panel system

Fullset parameters in Memory with Comments

Whole parameters (RECIPE) can be seen at a glance to make sure casting Quality. 100 Memories which has comments provides easy management.



Precise double needle gauge with improved pressure sensin0g

Variable Heat

Heat output control to minimized alloy evaporation

Zinc in alloy near crucible starts to be melted just after start heating. And Zinc can be evaporated before mother metal starts to be melted.

This can connect to increase of purity of mother metal, which means loss. K2 NEXT solves this problem with Variable Heat

Extra Mixing

Heat output becomes weaker after metal is melted. Therefore, mixing power can be weaker.

K2NEXT provides Extra Mixing switch for stronger mixing. This parameter (ON or OFF) is included in "RECIPE".

