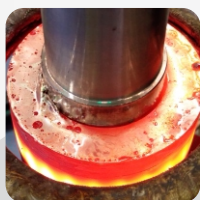


Fusion

INDUCTION



Brazing



Casting



Hardening



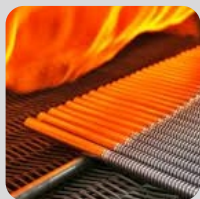
Forging



Heating



Cooking



Annealing



Shrink Fitting



Surgical Equipment

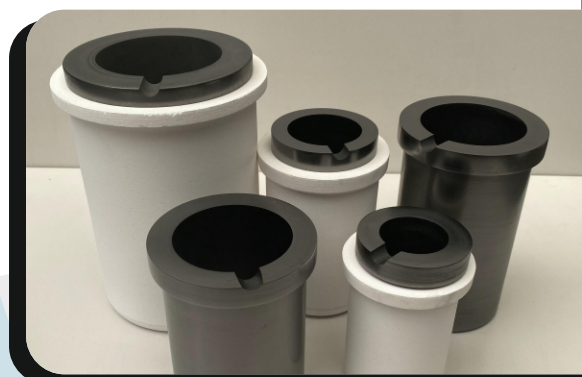
INDUCTION

HEATING EQUIPMENTS

FUTURE OF ENERGY



GOLD INDUCTION MELTING FURNACE



TECHNICAL SPECIFICATION

Power Supply	Single Phase
Input Voltage	230 V
Power	4 kw
Crucible Capacity	500 gm to 2 kg (Gold)
Melting Temperature	1200°C
Melting Time	5 to 7 min.
Machine Dimensions	33 x 22 x 22 (H x W x L)

FEATURES

- **Efficient IGBT based Induction Furnace.**
- **Specially compact design for production unit & showroom model.**
- **No need to depend on external cooling system.**
- **Light weight & less space consumption.**
- **No chiller required.**
- Exceptional figures of power consumption & melting rates.
- Heat & power loss reduce.
- Ideal for continuous melting.
- Quick heating in crucible as compared to convection method.
- Easy to operate.
- All safety precautions provided.

INDUCTION MELTING FURNACE



Melting Pot



Chiller Unit

TECHNICAL SPECIFICATION

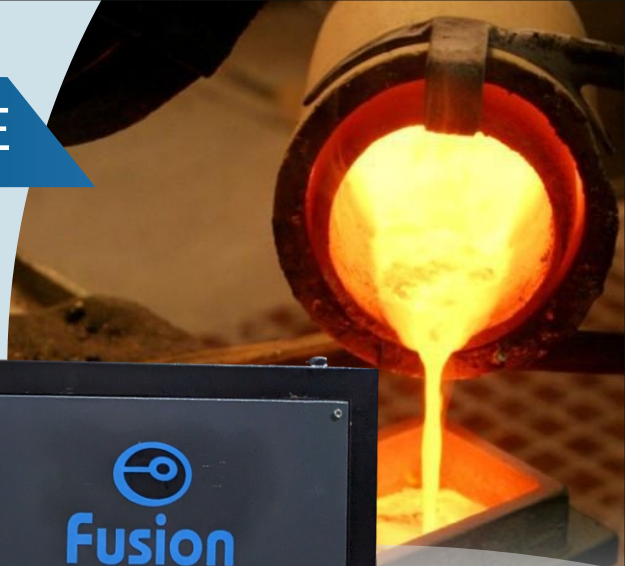
Power Supply	Three Phase
Input Voltage	415 V
Power	10 kw to 50 kw
Crucible Capacity	10 kg to 100 kg (Gold)
Melting Temperature	1200°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MPa
Crucible Type	Graphite/ Silicon Carbide
Machine Dimensions	45 x 24 x 36 (H x W x L)
Chiller Dimensions	42 x 26 x 40 (H x W x L)

FEATURES

- **Efficient IGBT based Induction Furnace.**
- **Special model available in silicon carbide crucible.**
- Suitable for melting Gold, Silver, Copper, Brass, Bronze & Allunminium.
- Exception figures of power consumption & melting rates.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- Energy saving - flameless furnace.
- Perfect homogeneous mixing increases productivity.
- Fully automatic controls.
- Easy to operate.
- All safety precautions provided.
- Space saving compact designs.



INDUCTION MELTING FURNACE



TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	5 kw to 8 kw
Crucible Capacity	2 kg to 10 kg (Gold)
Melting Temperature	1200°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MPa
Melting Time	5 to 15 min.
Machine Dimensions	32 x 22 x 22 (H x W x L)
Chiller Dimensions	32 x 24 x 24 (H x W x L)

FEATURES

- Efficient IGBT based Induction Furnace
- Suitable for melting Gold, Silver, Copper, Brass, Bronze, etc.
- Exception figures of power consumption & melting rates.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- Energy saving - flameless furnace.
- Perfect homogeneous mixing increases productivity.
- Fully automatic controls & easy to operate.
- All safety precautions provided.



BOTTOM POURING VACUUM CASTING MACHINE WITH CHILLER



Melting Chamber



Vacuum Pump

TECHNICAL SPECIFICATION

Power Supply	Single / Three Phase
Input Voltage	415 / 230 V
Power	5 kw
Crucible Capacity	1 kg to 2 kg
Melting Temperature	1200°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MPa.
Melting Time	5 to 7 min.

FEATURES

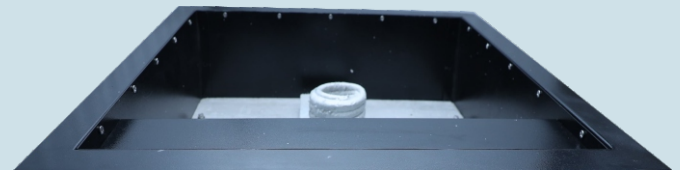
- In bottom pouring casting machine this happens automatically once the melt is poured into the mold. Further this process is more efficient in this machine as vacuum is stored in tank and introduced all at once while pouring the melt.
- Efficient IGBT based Induction Furnace
- Suitable for melting Gold, Silver, Copper, Brass, Bronze, etc.
- Exception figures of power consumption & melting rates.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- Energy saving - flameless furnace.
- Perfect homogeneous mixing increases productivity.
- Fully automatic controls & easy to operate.
- All safety precautions provided.

INDUCTION BASED PLATINUM MELTING MACHINE



TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	15 kw
Crucible Capacity	250 gms
Melting Temperature	2000°C
Water Temperature	25°C to 55°C
Water Pressure	0.2 MPa.
Melting Time	2 to 3 min.

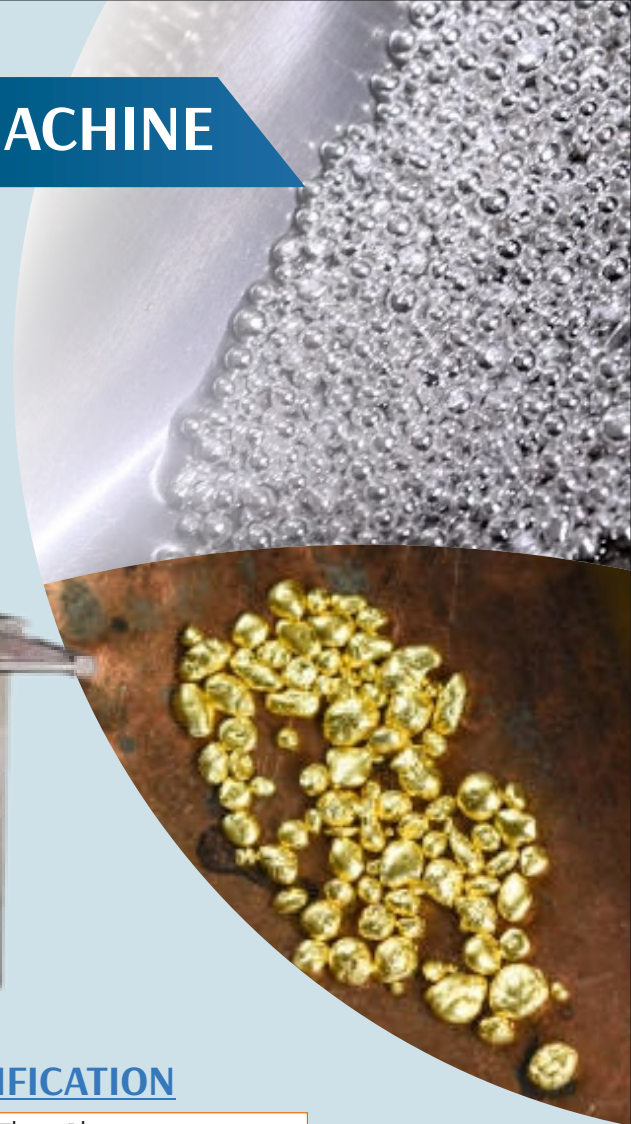


MELTING CHAMBER

FEATURES

- In the field of precious metal metallurgy, platinum melting furnaces are considered an efficient and precise tool for melting and refining platinum metals. This advanced metallurgical equipment combines medium-frequency induction heating technology and precision control systems, bringing revolutionary changes to the precious metal processing industry.
- Efficient IGBT based Induction Furnace
- Suitable for melting Platinum.
- Exception figures of power consumption & melting rates.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- Energy saving - flameless furnace.
- Perfect homogeneous mixing increases productivity.
- Fully automatic controls & easy to operate.
- All safety precautions provided.

INDUCTION GRANULATING MACHINE



TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	8 to 20 kw
Crucible Capacity	5 to 15 kg
Melting Temperature	1200°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MPa.
Melting Time	5 to 20 min.

FEATURES

- **Granulation is the process of forming grains or granules from solid substance, producing a granular material.**
- Efficient IGBT based Induction Furnace
- Suitable for melting Gold, Silver, Copper & Brass granusals.
- Exception figures of power consumption & melting rates.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- Energy saving - flameless furnace.
- Perfect homogeneous mixing increases productivity.
- Fully automatic controls & easy to operate.
- All safety precautions provided.



COMPANY PROFILE

FUSION INDUCTION has been a premier supplier of industrial induction heating systems and equipment since 2018.

FUSION INDUCTION mission is to provide you with superior products coupled with our on-time delivery and support for your heating needs. **FUSION INDUCTION's** wide range of industrial heating systems, power supplies, induction coils, and machines gives you the very best solution to meet your requirements for induction heating, heat treating, brazing, jewellery casting and melting.

FUSION INDUCTION offers a controllable and localized method of heat without contact to the parts (components) being heated. The heat is generated by inducing an alternating magnetic field into electrically conductive materials. Induction Heating technology is very low cost to run and normally creates significant costs savings versus other traditional process heating technologies.

The capabilities of these induction systems allow us to offer solutions for a wide array of applications, including soldering, brazing, heat treating, bonding, jewellery casting, melting, hardening, annealing, and shrink fitting.

We are able to provide turn-key solutions from our standard product line and equipped with a complete induction heating laboratory for testing and developing solutions for our customer's important processes. **FUSION INDUCTION** also has the ability to design and develop custom power supplies & industrial heating machines based on requirements specific to the customer's application, which can be stand-alone or embedded systems. Contact us today to learn more about the metal heating systems & induction heating equipment we offer, as well as our induction heating coils.



Fusion Induction

MFG. ALL TYPE OF HEATING EQUIPMENTS

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