

# Fusion

## INDUCTION



Melting



Casting



Hardening



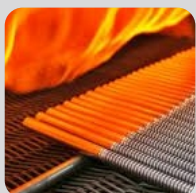
Forging



Heating



Cooking



Annealing



Shrink Fitting



Surgical Equipment

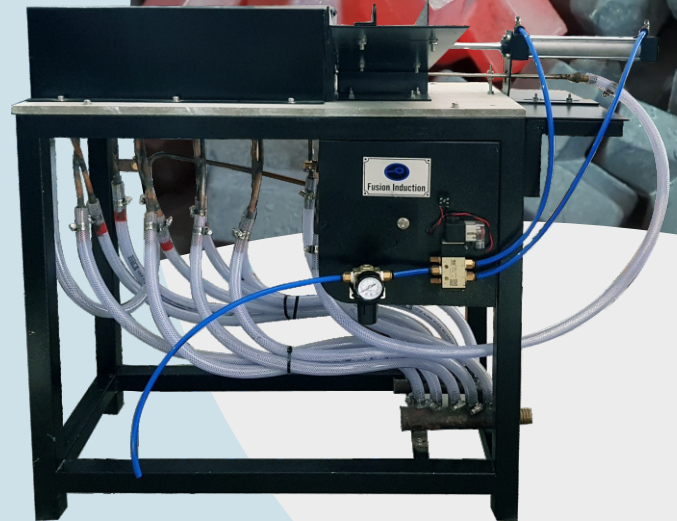
# INDUCTION

## HEATING EQUIPMENTS

# FUTURE<sup>OF</sup> ENERGY



# BILLET HEATING FURNACE FOR FORGING



## TECHNICAL SPECIFICATION

POWER SUPPLY	Three Phase
INPUT VOLTAGE	415 V
POWER	10 kw to 60 kw
WATER TEMPERATURE	25°C to 35°C
WATER PRESSURE	0.2 MP

## TECHNICAL PERFORMANCE

POWER (KW)	DIA (mm)	FREQUENCY (KHz)	PRODUCTION (Kg/Hr)
15	10/16	9-18	25-30
20	12/20	9-18	35-40
30	20/32	9-18	50-60
40	25/40	9-18	70-80
50	25/45	9-18	90-100
60	45/60	9-18	100-120

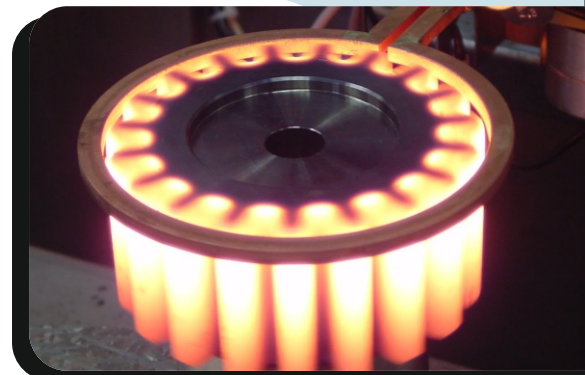
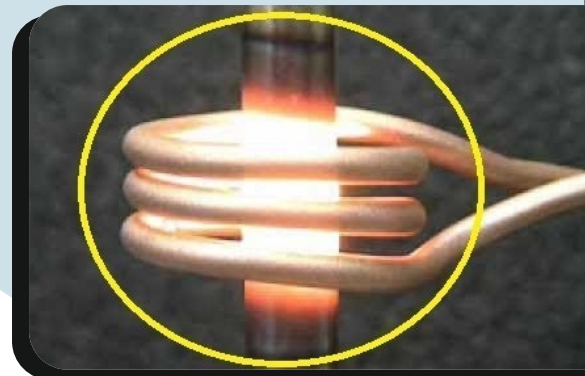


# INDUCTION HEATING MACHINE



## FEATURES

- Efficient IGBT based medium frequency Induction machine.
- Automatic power control.
- Pneumatic bar lifting arrangement.
- Easy to operate.
- Power factor above 0.96 in all condition.
- Perfect homogeneous heating to increase production.
- Energy saving & flame-less machine.
- Heat & power loss reduce.
- All safety precautions provided.
- High temperature cement casted induction coil for good life.
- Pollution free.
- Start to ready for production any time.
- Automation possible.
- Water cooled billet guide.



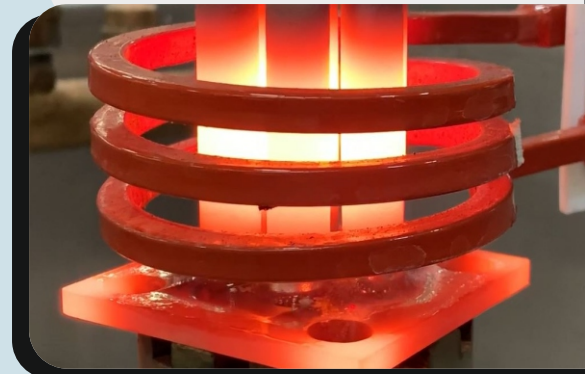
# INDUCTION BRAZING MACHINE



- Power Supply - 3 Ø
- Input Voltage - 440 v
- Input Line Freq. - 50Hz./60Hz.
- Output Freq. - 9 Khz. to 13 Khz.
- Water Temp. - 20°C to 35°C
- Water Pressure - 2 bar.



INDUCTION ROTOR BRAZING



COPPER TO BRASS BRAZING



NRV/SPLIT VALVE BRAZING



TOOL BRAZING



# INDUCTION MELTING FURNACE



Melting Pot



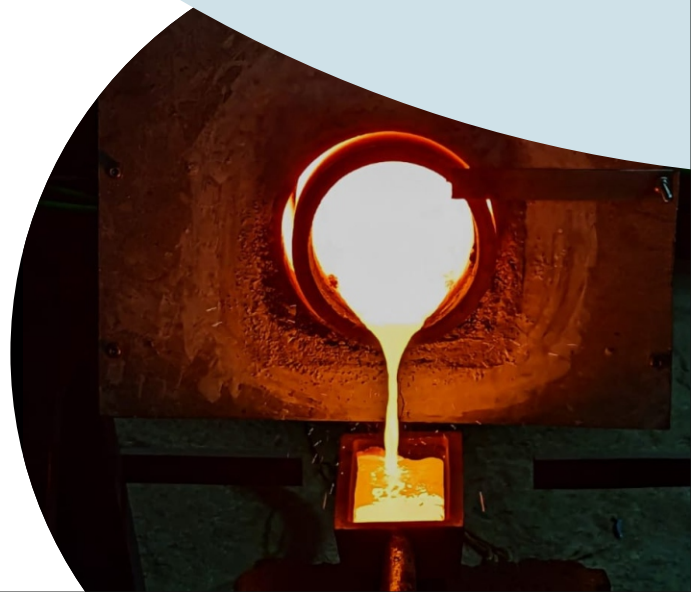
Cooling Tower

## TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	10 kw to 50 kw
Crucible Capacity	10 kg to 100 kg (Brass)
Melting Temperature	1600°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MP
Crucible Type	Graphite/ Silicon Carbide

## FEATURES

- **Efficient IGBT based Induction Furnace.**
- **Special model available in silicon carbide crucible.**
- Suitable for melting MS, SS, CI, Nickel, Copper, Brass, Bronze & Aluminium, 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.
- Space saving compact designs.



# INDUCTION BASED COOKING

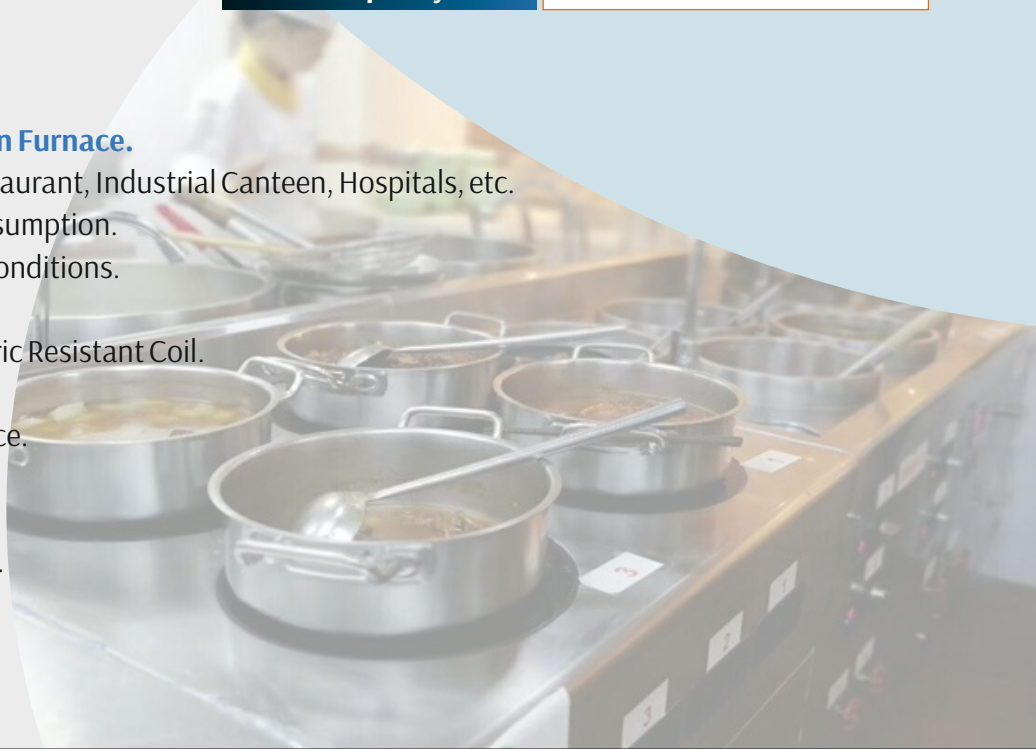


## TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	10 kw to 50 kw
Cooking Temperature	400°C
Water / Air Cooled	25°C to 35°C
Water Pressure	0.2 MP
Cooktop Capacity	20 - 100 Ltr.
Kadai Capacity	10 - 120 Ltr.

## FEATURES

- **Efficient IGBT based Induction Furnace.**
- Suitable for cooking Hotel, Restaurant, Industrial Canteen, Hospitals, etc.
- Exception figures of power consumption.
- Power factor above 0.96 in all conditions.
- Heat & power loss reduce.
- 40% Cheaper than LPG & Electric Resistant Coil.
- Accurate Temperature Control.
- Energy saving - flameless furnace.
- Fully automatic controls.
- Easy to operate.
- All safety precautions provided.
- Space saving compact designs.





# INDUCTION MAWA (KHOYA) MAKER



## TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	10 kw to 50 kw
Cooking Temperature	400°C
Water / Air Cooled	25°C to 35°C
Water Pressure	0.2 MP
Capacity	110/220 Ltr.

# INDUCTION SHRINK FITTING



Induction Shrink Fitting is where we use thermal expansion to either fit or remove parts.

## TECHNICAL SPECIFICATION

Power Supply	Three Phase
Input Voltage	415 V
Power	10 kw to 50 kw
Temperature	900°C
Water Temperature	25°C to 35°C
Water Pressure	0.2 MP

## 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, 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, 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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