



THE BOTAD ELECTRIC MOTORS

Since 1971



HEAT TREATMENT

HARDENING

CASE HARDENING

ANNEALING

TEMPERING

BRAZING

SOLDERING

FORGING

SINTERING

MELTING

SHRINK FITTING

HIGH FREQUENCY INDUCTION FURNACES

Power : 5 KW to 100 KW

Frequency : 1 KHz to 20 KHz



ADVANCE INDUCTION SYSTEM WITH MICROPROCESSOR

About Us

Incepted in the year 1971, at ahmedabad (Gujarat,), we, "The Botad Electric Motors", are a Sole Proprietorship based company, actively engaged in manufacturing and supplying a wide array of Industrial Induction Machines, Rotor Brazing Machines, Induction Heating Machines, Metal Melting Machines, Shrink Fitting Machinery, Induction Annealing Furnace and many more products.. Beside this, we also render Induction Hardening Job Work.. Under the guidance of our mentor "Mr. Vinod Dagly", we have been able to occupy an enormous position in this competitive market.

FEATURES :

- Dual IGBT Series ckt (Latest Tech)
- Capacity 5 Kw to 100 Kw
- Power - Fully Variable from 0% to 10%
- Frequency : Up to 20 KHZ
- User Friendly Easy to Maintain

BENEFITS :

- High Efficiency with Less Power
- Shorter Heating Time
- Allows Very High Production Ratio
- Heating can be Localized.

ADVANTAGE :

- Minimum Scalling
- Minimum Deformation
- Less Bending
- Less Rejection

PROTECTION :

- Over Current Protection
- Over Voltage Protection
- Water Failure Protection
- Low Pressure Indication

One Machine with Multiple Uses

(Hardening, Anneling, Tempering)

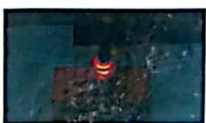


All type of gears, pinions, all type of shafts, sprockets, camshafts, crankshafts, lathe beds, rock drills, push rods, coupling rotor spindles, motor shafts, pump spindles, chuck guides, couplings, chisels, hacksaw blades, links, valves, SS vessels and many more.....



BRAZING :-

All size of submersible rotors, diamond segments, drill bits, eye glass frame assembly, elbow assembly, all type of precision tools, lathe tools, fuse link and many more....



FORGING :-

All type of rock drills, bolt heads, tools, flyers, chisels, hand tools, push rods valves, rocker arms, connecting rods, hammer heads and many more....



MELTING :-

Precious metals like gold, silver, platinum etc.... sintering of tungsten carbides, diamond scafes, diamond tools etc...



INDUCTION MELTING MACHINE FOR GOLD & SILVER

FEATURES :

- EASY & SAFE OPERATION
- EASY TO INSTALL
- IDEAL FOR MELTING OF GOLD & SILVER
- HIGHLY EFFICIENT IGBT BASED SOLID
- STATE GENERATOR
- LOW MAINTENANCE
- DISPLAY SYSTEM FOR PARAMETERS & FAULTS
- FLAMELESS SILENT OPERATION
- AUTOMATIC TEMPERATURE CONTROL
- MINIMUM POWER CONSUMPTION
- GEAR TYPE SMOOTH TILTING MECHANISM



Specifications/Models	15 Kg Silver	20 Kg Silver	30 Kg Silver
Power Supply	3 Phase	3 Phase	3 Phase
Voltage	440 V AC	440 V AC	440 V AC
Absorbed Power	12 KW	15 KW	20 KW
Maximum Temperature	1200* C	1200* C	1200* C
Melting Time	20 MIN	25 MIN	30 MIN
Water Cooling System	Chiller	CHILLER	CHILLER
Cooling Water Temperature	20'-30' C	20'-30' C	20'-30' C
Chiller Capacity	1.5 TON	2 TON	2.5 TON
Water Flow	30 LPM	30 LPM	30 LPM

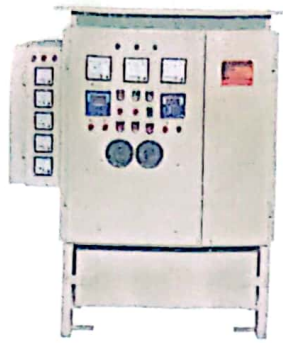
Specifications/Models	10 Kg Gold	15 Kg Gold	20 Kg Gold	25 Kg Gold	30 Kg Gold
Power Supply	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Voltage	440 V AC	440 V AC	440 V AC	440 V AC	440 V AC
Absorbed Power	10 KW	15 KW	20 KW	25 KW	30 KW
Maximum Temperature	1200* C	1200* C	1200* C	1200* C	1200* C
Melting Time	10 MIN	12 MIN	15 MIN	20 MIN	25 MIN
Water Cooling System	Chiller	Cooler	Chiller	Chiller	Chiller
Cooling Water Temperature	20'-30' C	20'-30' C	20'-30' C	20'-30' C	20'-30' C
Chiller Capacity	1 TON	1 TON	1.5 TON	1.5 TON	2 TON
Water Flow	30 LPM	30 LPM	30 LPM	30 LPM	30 LPM



OUR PRODUCTS



Dual Latest - IGBT Technology
with Very low power and
Failure less System



M.F. Thyristorised Machine
Very Rugged Design Air
Cooled Machine Long Life



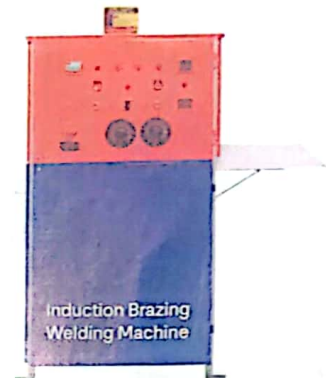
Microprocessor based gold
& Silver Melting Machine
& Lab Use



Microprocessor based
Machine for Forging & Heating
Application



For, Specially designed for
Shrink Fitting and small
Application



Induction Brazing Welding
Machine Specially
Designed for Students



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