

METRO[®]
INDUCTION SYSTEM

**GOLD
BOND**[®]

Committed To Excellence In Developing High-end Technological Systems

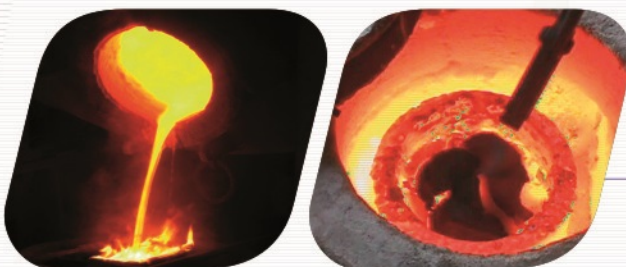
www.metro-rajkot.com



Bonds
Accurately



An ISO 9001
Company





Metro Electric Company the pioneer's in Indian Precious metals sector have developed this induction system keeping in mind small jewellery shops. It runs on Induction Technology, Absolute homogeneous alloying with reduction in burning losses is achieved due to uniform temperature controlling Which avoids the skin effect in Metro induction systems.

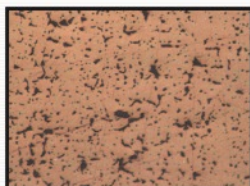
Advantage of melting small quantities at automatic appropriate energy consumption is an added advantage in today's competitive world. Small in size and low on budget, and host of other Features to suit your needs of fast and economical melting with assurance of timely service.

The GOLD BOND Induction system is available in two different capacities 2Kg and 4Kg melting for your convenience of better melting. GOLD BOND is most advanced microprocessor controlled induction system with digital control & display. It works in complete Auto Mode for convenience of melting and temperature controlling. As chilling unit is included as standard equipment these Induction systems can be used again and again for any number of charges continuously.

MICRO STRUCTURE OF GOLD 700x Zoom



Gold melted with conventional method.



Gold melted with induction method.

TECHNICAL DATA

Model	F2	F4
Power Supply	1Ø	1Ø
Voltage	230V 50Hz/60Hz	230V 50Hz/60Hz
Absorbed Power	3.5 KVA	3.7 KVA
Capacity of crucible*	2 Kg 24Kt (Au) [†]	4 Kg 24Kt (Au) [†]
Maximum temperature	1200°C	1200°C
Melting time	10 min. ^{††}	17 min. ^{††}
Temperature measurement	K - Type	K - Type
Water re-cooling system	Standard Equipment	Standard Equipment
Cooling water temperature	20°C - 30°C	20°C - 30°C
Water Pressure	2.5 Bar	2.5 Bar
Maximum water Flow	3 ltr/min	3 ltr/min
Weight (With Chilling Unit)	150 Kg	175 Kg
Dimensions (mm) L X B X H		
Induction Generator	335 x 410 x 715	395 x 495 x 715
Chilling Unit	435 x 535 x 715	436 x 535 x 715

[†] Brimfull capacity ^{*} High density graphite crucible
^{††} Under standard condition

HIGHLIGHTS:

- Operates on single phase
- Easy to install
- No metal loss
- Heat and power loss reduced
- Fully automatic control
- Less power consumption
- Feather touch controls; Simple in operation
- All safety precautions provided
- Automatic power regulation
- Perfect homogeneous mixing of alloys

BENEFITS:

- 80% Income tax depreciable
- Increased Productivity
- Convenient Layout
- No products of combustion or waste product
- Economical and efficient in operation
- Easy and safe operation
- Energy saving - flame less furnace
- Continuous operation as chilling unit is included with the system

Note : 1. Always use genuine parts and graded crucibles from the company for efficient, effective capacity utilization.

2. As continuous improvements are contemplated, the Product illustrations, Technical Data & Description are not binding & may be changed without prior notice.



METRO ELECTRIC COMPANY

32/1, Sakhiyanagar, B/h. S.T. Work Shop, Gondal Road, Rajkot-360 004 (Guj. India)
Phone : 0091 281 2360610, Fax : 2360611 • Url : www.metro-rajkot.com • E-Mail : Info@metro-rajkot.com

Imprint : All Logos, Brand Name, Product Designs and Trade Marks used are registered trade marks of Metro Electric Company and or their respective owners and should not be used without prior written permission. The machines depicted here may include some options available at additional charge.



An ISO 9001
Company
w.e.f. 11-2011 r3

