

METRO[®]
INDUCTION SYSTEM



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Committed To Excellence In Developing High-end Technological Systems



An ISO 9001 Company



Small Wonder



Metro Electric Company the pioneer's in Indian precious metals sector have developed this induction with an intense to help out retail channel stores, small jewellery shops and goldsmith workers.

It runs on induction technology, absolute homogenous alloying with reduction in burning losses is achieved due to uniform temperature controlling & ultra modern technology used in manufacturing the system modules.

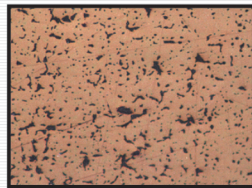
The advantage of small induction is faster melting, portability, sound less operation & host of other features to suite your needs of fast, economical and safe melting with assurance of timely services.

The GOLD COIN induction system is developed on ultramodern IGBT technology for conveniently melting small charges successively. It has auto tuning & auto controlling as an added advantage. It can be easily installed at any convenient place due to small size, low weight and minimum power consumption. Due to all this advantages it is also most suitable to retail showrooms & testing laboratories.

MICRO STRUCTURE OF GOLD 700x Zoom



Gold melted with conventional method.



Gold melted with induction method.

TECHNICAL DATA

Model	R5	R10
Power Supply	1Ø	1Ø
Voltage	230V 50Hz/60Hz	230V 50Hz/60Hz
Absorbed Power	2.3 KVa	2.8 KVa
Capacity of Crucible*	0.5 Kg 24Kt (Au) [†]	1 Kg 24Kt (Au) [†]
Maximum temperature	1200°C	1200°C
Melting time	7 min. ^{††}	7 min. ^{††}
Temperature measurement	K - Type	K - Type
Water re-cooling system	Included	Included
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)	77 Kg	77 Kg
Dimensions (mm) L X B X H		
Induction Generator	385 x 470 x 350	385 x 470 x 350
Chilling Unit	535 x 350 x 560	535 x 350 x 560

† Brimfull capacity * High Density Graphite Crucible
†† Under standard condition

HIGHLIGHTS :

- Operates on single phase
- Fastest melting
- Easy to install
- No metal Loss
- Minimum power consumption
- Zero tolerance safety precautions
- Automatic power & temperature control
- Perfect homogeneous mixing of alloys
- Best suitable for retail channel stores

BENEFITS :

- 40% + 40% income Tax Depreciable
- Minimum space and power requirements
- Convenient layout
- No products of combustion or waste
- Economical and efficient in operation
- Easy and safe operation
- Energy saving - flame less furnace
- Nonstop operation as chilling unit is included equipment

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

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