

**METRO**<sup>®</sup>  
INDUCTION SYSTEM

**NANO**  
**GOLD**<sup>®</sup>

Committed To Excellence In Developing High-end Technological Systems

www.metro-rajkot.com



An ISO 9001  
Company



Nano Gold



Metro Electric Company the pioneer's in Indian Precious metals sector have developed this induction system keeping in mind Small Jewellery shops to give premium class quality product at economy class price.

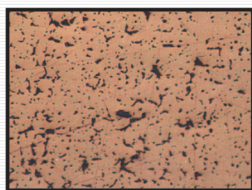
Melting small quantities at automatic appropriate energy consumption is an added advantage in today's competitive world. Small in size and low on budget, and host of other Features to suite your needs of fast and economical melting with assurance of timely services.

The NANO GOLD Induction system is available in 250 gms melting capacity and most suitable to goldsmith workers and is most advanced induction system with digital control & display. It works in complete Auto Mode for convenience of melting and temperature controlling.

#### MICRO STRUCTURE OF GOLD 700x Zoom



Gold melted with conventional method.



Gold melted with induction method.

#### TECHNICAL DATA

| Model                     | R2                 |
|---------------------------|--------------------|
| Power Supply              | 1Ø                 |
| Voltage                   | 230V 50Hz/60Hz     |
| Absorbed Power            | 1.4 Kw             |
| Capacity of Crucible*     | 250 gm 24Kt (Au)*  |
| Maximum temperature       | 1200°C             |
| Melting time              | 3 min.††           |
| Temperature measurement   | K - Type           |
| Water re-cooling system   | Standard Equipment |
| Cooling water temperature | 20°C - 30°C        |
| Water Pressure            | 4.5 Bar            |
| Maximum water Flow        | 1.5 ltr/min        |
| Weight                    | 40 Kg              |
| Dimensions (mm) L X B X H |                    |
| Induction Generator       | 500 x 200 x 410    |
| Chilling Unit             | 430 x 365 x 560    |

† Brimfull capacity

\* High Density Graphite Crucible

†† Under standard condition

#### HIGHLIGHTS :

- Small in size and convenient layout
- Easy to install and operate
- No Metal Loss or burning loss
- Feather touch control; Simple in operation
- Display of system parameters and faults
- Perfect homogeneous mixing of alloys
- Zero Tolerance safety system
- Automatic power and temperature regulation

#### BENEFITS :

- 40% + 40% income Tax Depreciable
- Increased Productivity
- Can be installed in smallest jewellery shop
- Digital Display of Parameters and faults
- Zero Maintenance
- 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)

Mob.: +91 99132 78512 • Tel.: +91 281 2360610 / 12 • Url: [www.metro-rajkot.com](http://www.metro-rajkot.com) • E-Mail: [Info@metro-rajkot.com](mailto: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. 7-2024 r4

