
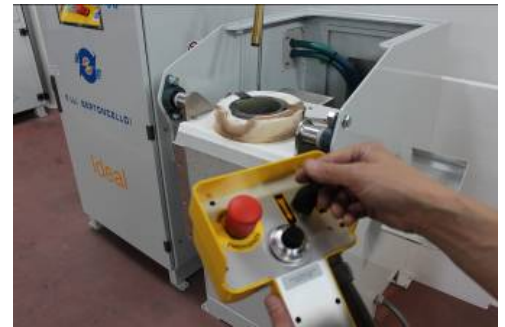


# IDEAL

**GOLD International**  
**MACHINERY**

 **INDUCTION FURNACES WITH MOTORIZED TILTING OF THE CRUCIBLE WITH ADJUSTABLE SPEED, CONCEIVED FOR MANY USES LIKE MELTING SCRAPS FOR REFINING, MELTING ASHES FOR RECOVERY, GRAINING FOR ALLOYS PRODUCTION, ETC.**



## ADVANTAGES

- Silent working
- High performing medium frequency induction generators
- Steel frame
- Perfect homogeneity of carat alloys
- Quick melting
- Tilting system by motorized linear actuators for the pouring movement with speed electronic control and joystick lever
- Easy control of the working parameters by **PLC** and **touch screen** video, with temperature control by thermocouple, optional by optical detector
- Monitor display for self-diagnosing and possible alarms with buzzer
- Possibility to save the working recipes and parameters
- Programmed maintenance with display warning
- Crucible with ceramic casing

MODEL	IDEAL 16	IDEAL 25	IDEAL 50	IDEAL 75
CRUCIBLE HEATING POWER	15 kW	20 kW	25 kW	45 kW
NOMINAL VOLUME CRUCIBLE WITH CERAMIC CASING	1480 cm <sup>3</sup>	1960 cm <sup>3</sup>	3345 cm <sup>3</sup>	4510 cm <sup>3</sup>
CAPACITY CRUCIBLE WITH CERAMIC CASING	20 Kg - Au/999 16 Kg - Au/750 11 Kg - Ag/925	25 Kg - Au/999 20 Kg - Au/750 14 Kg - Ag/925	50 Kg - Au/999 40 Kg - Au/750 27 Kg - Ag/925	70 Kg - Au/999 56 Kg - Au/750 38 Kg - Ag/925
MAXIMUM TEMPERATURE	1300° C	1300° C	1300° C	1300° C
ON REQUEST, MAXIMUM TEMPERATURE	1500° C	1500° C	1500° C	
NUMBER OF WORKING DATASHEETS TO SAVE	100	100	100	100
FEEDING VOLTAGE	230/400 V 50/60 Hz 3 ph	230/400 V 50/60 Hz 3 ph	230/400 V 50/60 Hz 3 ph	230/400 V 50/60 Hz 3 ph
FURNACE DIMENSIONS	60x88x120 h cm	60x88x120 h cm	60x88x120 h cm	60x88x120 h cm
ELECTRIC BOX DIMENSIONS	80x60x150 h cm	80x60x150 h cm	80x60x150 h cm	80x60x150 h cm
FURNACE WEIGHT	350 Kg	380 Kg	410 Kg	490 Kg
ELECTRIC BOX WEIGHT	100 Kg	110 Kg	120 Kg	135 Kg
ON REQUEST, SILICON CARBIDE CRUCIBLE WITH CERAMIC CASING	✓	✓	✓	✓