



BETA

DIGITAL INDUCTION
MELTING FURNACE



<https://dexdo-online.de/>

Crucible Accessories



IPHPG Crucible
(Isostatically Pressed High Purity Graphite Crucible)

Model	Melting for pure gold(kg)	φ1(mm)	φ2(mm)	φ3(mm)	H(mm)	Volume(mL)
G.GM.3000	3.6	85	60	75	105	269
G.GM.4000	4.9	85	60	75	131	342
G.GM.5000	6.1	100	69	88	131	452
G.GM.5500	7.6	105	70	90	156	562
G.GM.6000	11.1	115	79	97	178	823
G.GM.8000	12.5	115	84	105	177	925

Our products are suitable for the melting of gold, silver, copper or their alloys.
The main features of our products are high purity, high density, high temperature resistance and good oxidation resistance.



HPQC Crucible Sets
(High Purity Quartz Ceramic Crucible Sets)

Model	For crucible model	φ1(mm)	φ2(mm)	φ3(mm)	H(mm)
C.CC 3000	G.GM.3000	97	79	89	103
C.CC4000	G.GM.4000	100	80	90	132
C.CC 5000	G.GM.5000	118	92	101	135
C.CC5500	G.GM.5500	122	94	107	155
C.CC6000	G.GM.6000	127	100	113	178
C.CC8000	G.GM.8000	143	112	132	182

added a purity of 100% is given
With SiO₂ (silicon dioxide) in almost 100 % purity.
Suitable for central laboratory and industrial applications.
High-purity quartz ceramic sets operate stably in the medium temperature range from 500 °C to 1,600 °C.

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Manufactured in Germany by DEXDO GmbH.

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The crucible can reach the temperature of 1300 degree Celsius in 3-5 minutes

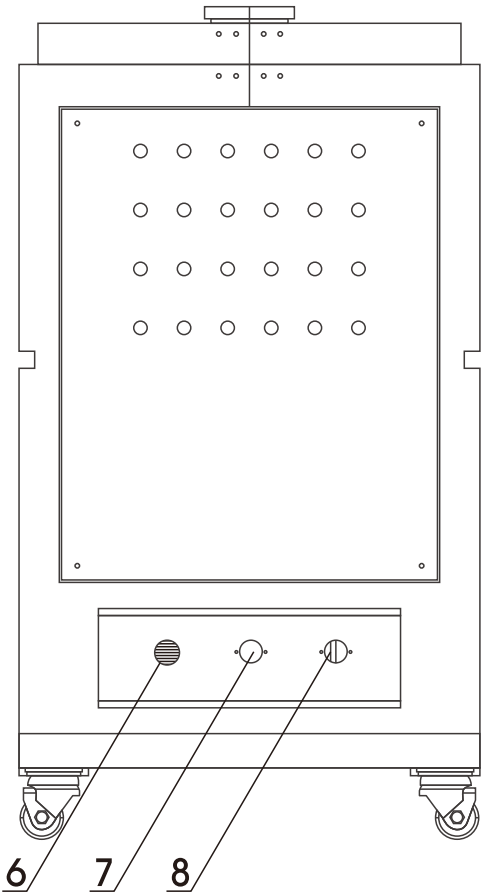
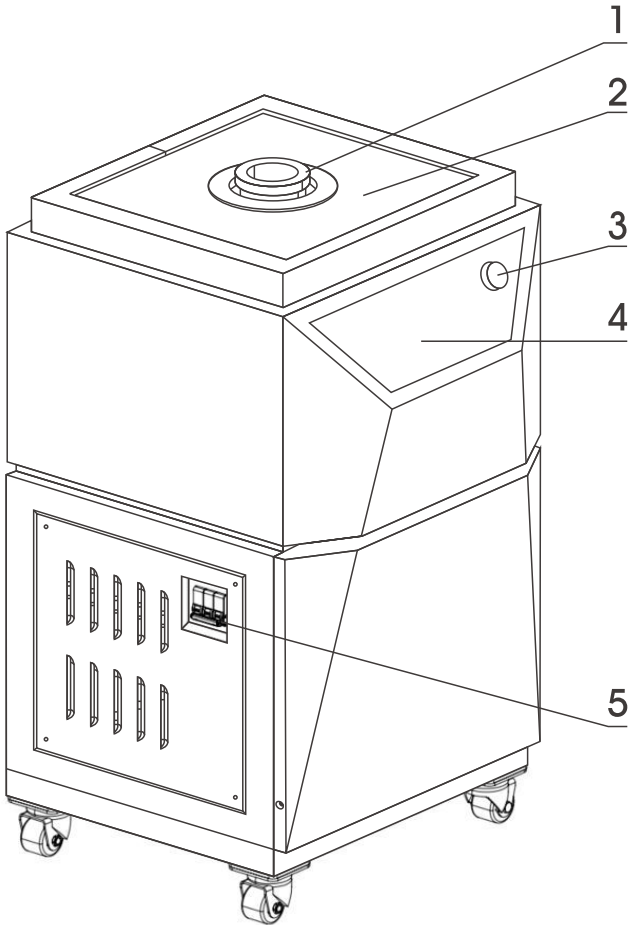
The machine features a water-electricity separation design to ensure safe operation and easy maintenance.

The digital optimization of the operating system enables easy operation and helps prevent common user errors during use.

An optimized thermal insulation structure on the mica top plate flange ensures safe operation.

Human-machine interaction is implemented via a display and rotary knob to prevent accidental touches and simplify operation.

A background PID algorithm ensures efficient and safe control by balancing heating speed and output power while preventing overheating.



- ① Graphite crucible assembly
- ② Mica insulation and thermal insulation lid
- ③ Control knob
- ④ Display system for human-machine interaction
- ⑤ Main power switch
- ⑥ Power cable
- ⑦ Water outlet
- ⑧ Water inlet

Model	Description	Voltage	Frequency	Phase	Power inpi	Weight	Size(mm)
BETA 00270	3 kg Pure gold volume	400 V* 10%	50 Hz	3	7 kW	80 kg	578 x 500 x 970
BETA 00340	4 kg Pure gold volume	400 V* 10%	50 Hz	3	12 kW	80 kg	578 x 500 x 970
BETA 00450	5 kg Pure gold volume	400 V* 10%	50 Hz	3	12kW	80 kg	578 x 500 x 970
BETA 00560	6 kg Pure gold volume	400 V* ±10%	50 Hz	3	15 kW	80 kg	578 x 500 x 970
BETA 00820	8 kg Pure gold volume	400 V* ±10%	50 Hz	3	15 kW	80 kg	578 x 500 x 970
BETA 00925	12 kg Pure gold volume	400 V* ±10%	50 Hz	3	15 kW	80 kg	578 x 500 x 970