

# SMALL 1KG GOLD BULLION VACUUM CASTING MACHINE



# 4KG GOLD BULLION VACUUM CASTING MACHINE





Automatic lid opening (Pneumatic)



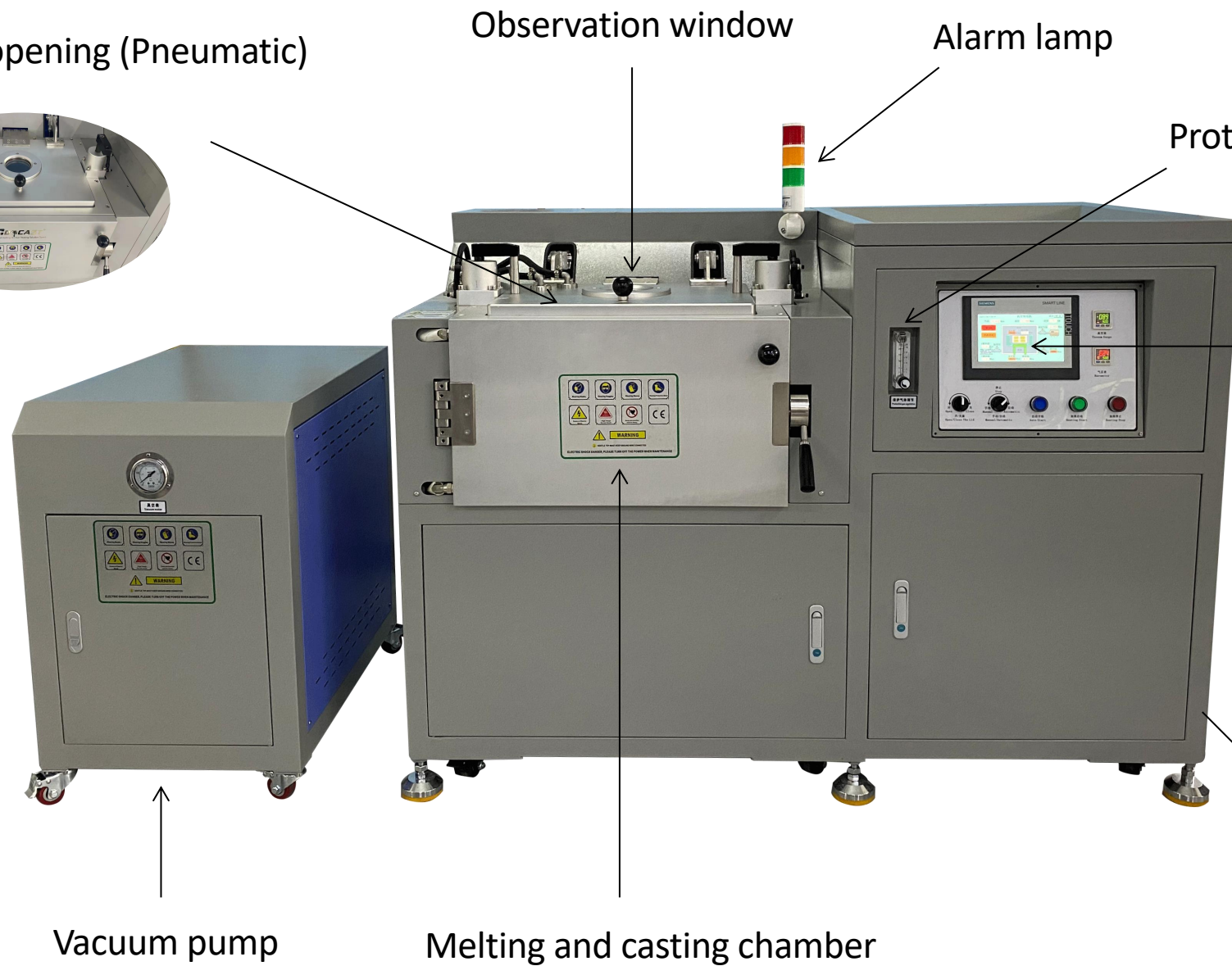
Observation window

Alarm lamp

Protective gas flow meter

Siemens PLC  
Touch screen

Water inlet and outlet



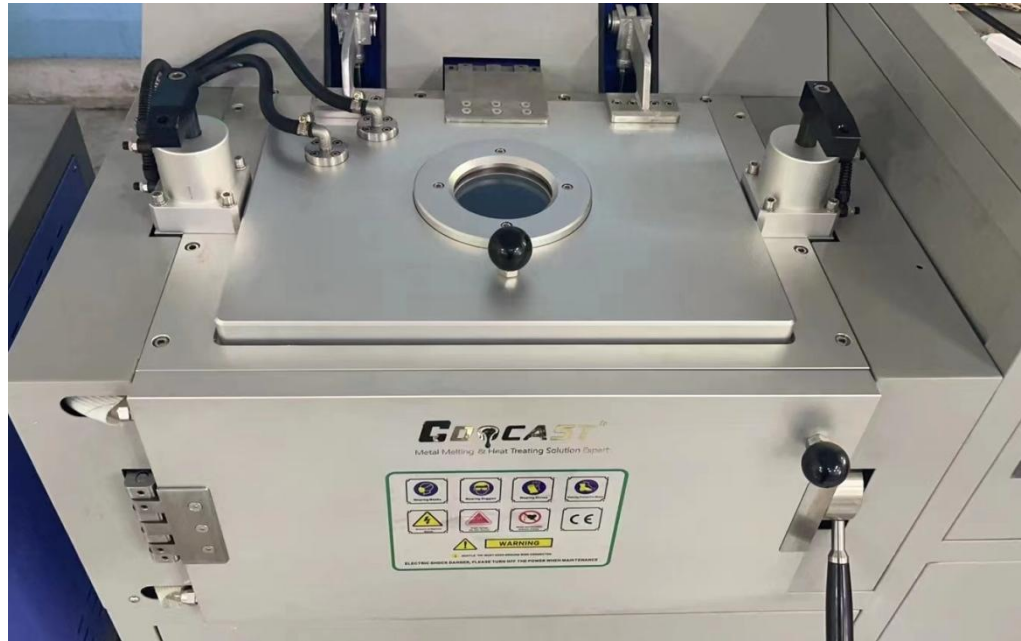
Vacuum pump

Melting and casting chamber





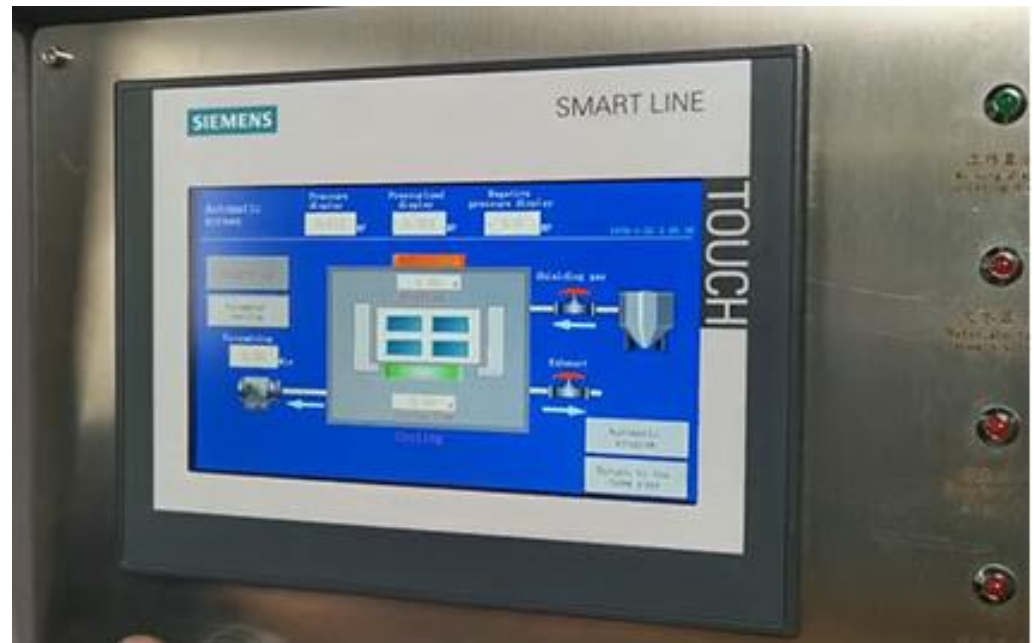
# Details



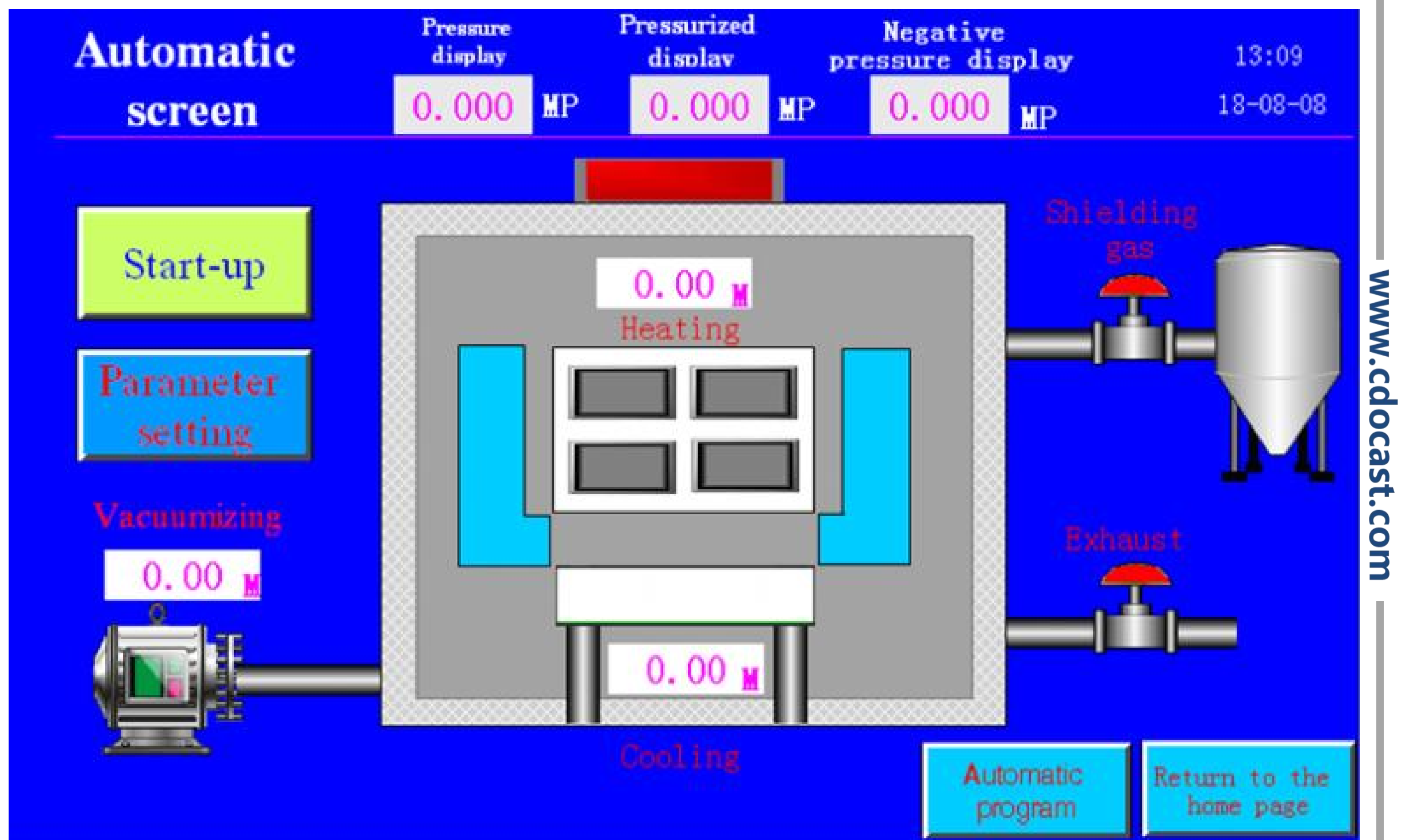
# Structure



The whole casting process can be seen through the round viewing window

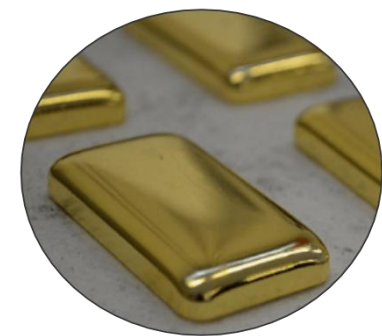
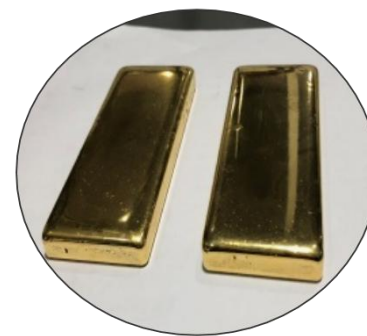
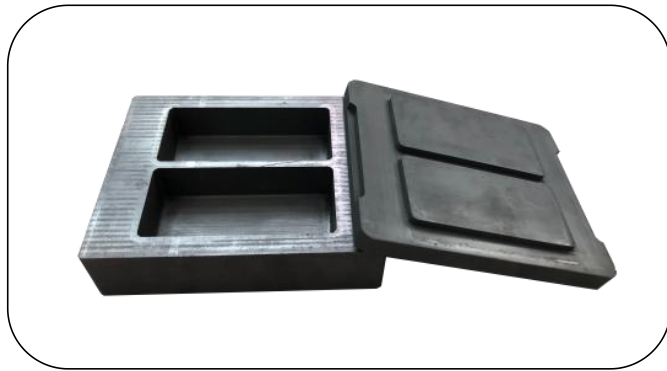


PLC control panel



# Details

# Mould



# Parameter

Model	CDO-F1	CDO-F2	CDO-F4	CDO-F5
Power source	Three phase 380V $\pm$ 10%, 50/60Hz	Three phase 380V $\pm$ 10%, 50/60Hz	Three phase 380V $\pm$ 10%, 50/60Hz	Three phase 380V $\pm$ 10%, 50/60Hz
Power	25 kw	35 kw	45kw	75kw
Control system	PLC/Manual	PLC/Manual	PLC/Manual	PLC/Manual
Applicable metal	Gold, silver, copper and others	Gold, silver, copper and others	Gold, silver, copper and others	Gold, silver, copper and others
Casting time	About 6 min	About 7 min	About 7-8min	About 8-12 min
Cooling time	About 6-7 min	About 7-8min	About 7-10 min	About 8-15 min
Max capacity	1 pcs of 1kg bar or customized	2 pcs of 1kg bar or customized	4 pcs of 1kg bar or customized	8 pcs of 1kg bar or customized
Dimension	1400*700*1200 mm	1400*700*1200 mm	1540*770*1300 mm	1820*980*1640mm
Weight	150 kg	210 kg	350 kg	350 kg
Protective gas	Nitrogen or argon	Nitrogen or argon	Nitrogen or argon	Nitrogen or argon
Switch system of lid	Manual	Manual	Manual/Automatic	Manual/Automatic
Heating technology	Induction heating	Induction heating	Induction heating	Induction heating

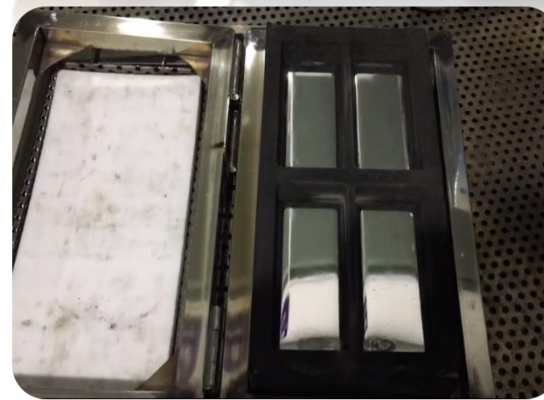
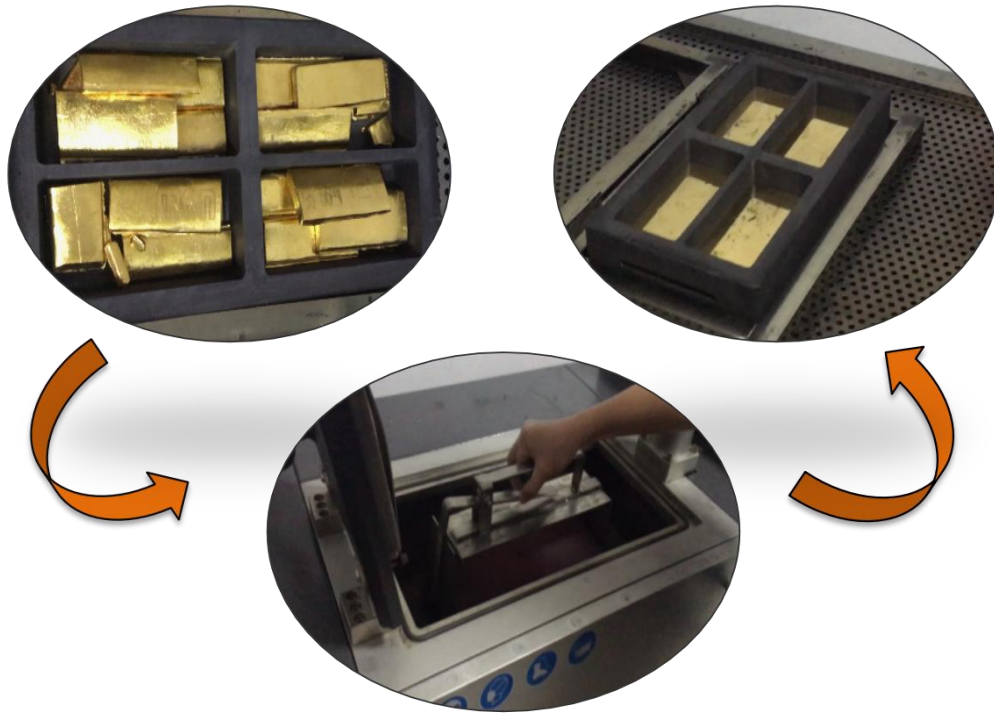


# Features

The CDOCAST vacuum gold bar Making machine is specially designed for casting high quality gold and silver bars and ingots. This gold bar Making machine can melt up to 4 x 1 kg of gold and silver ingots per batch. Or max 1pcs 15kg bullion on batch. And other customized sizes bullion can also be cast in our furnace.

1. Our Vacuum gold bar casting machine comes with the PLC touch screen system control, the operator only has to filled in the graphite mold with the pre-weighted raw material, like gold powder, gold grain, close the door of the melting chamber as well as press the START switch to release the automatic cycle, the casting will started automatically, after finished the casting cycle, you can obtain the gold or silver bar which is ready for the market.
2. The induction coil of the vacuum gold bar making machine is custom designed to be either square or rectangular in shape, with a water cooling plate in the middle of the coil. After melting, the cooling plate will be jacked up by a cylinder to rapidly cool the graphite mold, allowing the graphite cover and graphite mould to reach the same temperature, resulting in a bright and flat surface.
3. The entire casting process consists of melting and cooling process, with melting times ranging from 6 to 12 minutes, depending on the size of the bars The cooling time is usually recommended to be 8 minutes or more, as this will maximise the lifetime of the graphite mold.
4. 24-hour continuous operation, thus satisfying customers with high production output requirements.
5. There is no need for engineers to install and debug onsite. Each gold bar casting machine comes with installation and debugging video. Under the video guidance, you can simply complete the installation and start to run our furnace, what is more, each vacuum gold bar making machine produced by CDOCAST will be strictly tested before leaving the factory to ensure stable quality.

# Application



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