

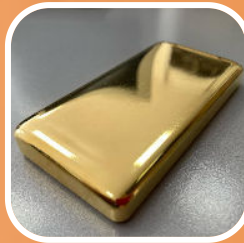


CDOCAST MACHINERY CO LTD

Precious Metal Melting & Casting Manufacturing Specialists



Coin Bar Minting



Bullion Casting



Jewelry Casting



Hollow Ball Casting



Continuous Casting



Granulating



Metal Melting

Quality Makes Us Different

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Who We Are



CDOCAST: Global Innovators in Integrated Metal Solutions

For over a decade, CDOCAST has pioneered excellence across the full spectrum of industrial metal processing – specializing in precision smelting, casting, and advanced fabrication technologies. Strategically anchored in China’s manufacturing heartland, we operate a Wenzhou-based commercial hub and maintain direct equity ownership of production facilities in Huzhou, Guangzhou, and Shenzhen– ensuring end-to-end control over quality, timelines, and innovation.

– Engineered for Global Impact

With a proven legacy spanning 10+ years of uninterrupted international trade, CDOCAST has delivered mission-critical metal solutions to 200+ countries worldwide. Our cross-continental expertise transcends borders, cultures, and industrial challenges – transforming complex requirements into seamless global success stories.

– Beyond Equipment: Your Turnkey Vision Realized

We redefine partnership by merging cutting-edge manufacturing infrastructure with comprehensive project mastery. CDOCAST excels in orchestrating A-Z turnkey solutions where we:

- ✓ Design and engineer tailored metallurgical processes
- ✓ Manufacture precision components via owned foundries and workshops
- ✓ Integrate multi-phase production workflows
- ✓ Deliver fully operational systems – installation-read

Why Choose Us

– Why Global Leaders Choose CDOCAST

- **Vertical Integration:** Direct ownership of smelting, casting, and finishing facilities guarantees supply chain sovereignty
- **Globally Certified Excellence:** International compliance embedded across 200+ export markets
- **Solution Architecture:** Bespoke engineering resolving technical, logistical, and procurement complexities
- **Geo-Strategic Footprint:** Coastal manufacturing bases enabling rapid global distribution

– Precision-Crafted Partnerships

At CDOCAST, we transform raw potential into industrial advantage. When metals demand mastery – and projects demand perfection – we deliver not just components, but **certainty engineered**.

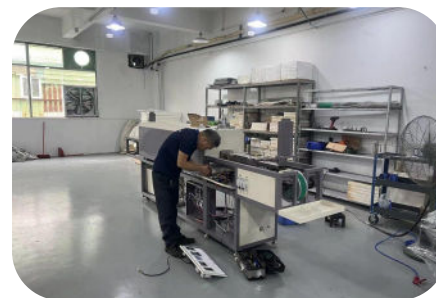
– CDOCAST's Core Values

- ✓ **Niche Industry Authority:** 20+ years dedicated to R&D of precious metal smelting/casting systems, serving clients across 70+ countries
- ✓ **Full-Cycle Partnership:** From customized equipment supply to facility layout design, backed by 24/7 remote technical support
- ✓ **Technology Edge:** Patented melting / casting systems, enabling high-quality casting and production

Honor Customers



Factory



Office



Showroom



1-2KG Mini Gold Melting Furnace

Description

- One-click operation, simple and convenient.
- Compact and lightweight, easy to carry.
- Integrated smart circuit for energy efficiency.
- Work melting temperature of 1200°C with thermocouple temperature control.
- Fast melting cycle: completes one batch in just 3 minutes and supports 24/7 continuous operation.
- Medium-frequency induction heating ensures low energy loss.



Parameter

Model	Voltage	Power	Application	Capacity	Work Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-GMF1	Single P, 220V	5 KW	Gold, K-gold, Silver, etc	1 KG	1200°C	2-3 min	300*300*400mm	21 KG
CDO-GMF2	Single P, 220V	6 KW	Gold, K-gold, Silver, etc	2 KG	1200°C	2-3 min	300*300*400mm	21 KG

4-15KG Integrated Gold Melting Furnace

Description

- Vertical integrated design, small footprint.
- Integrated circuit, intelligent and energy-saving.
- Built in water pump for easy cooling.
- Maximum melting temperature up to 1600 °C, with thermocouple temperature control.
- Medium frequency induction heating, fast melting speed, low loss.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-FL26	3 P, 380V	15 KW	Gold, K-gold, Silver, etc	4 KG	1600°C	2-5 min	500*500*860mm	72 KG
CDO-FL27	3 P, 380V	20 KW	Gold, K-gold, Silver, etc	5 KG	1600°C	3-6 min	500*500*860mm	75 KG
CDO-FL28	3 P, 380V	20 KW	Gold, K-gold, Silver, etc	6 KG	1600°C	5-6 min	500*500*860mm	75 KG
CDO-FL29	3 P, 380V	25 KW	Gold, K-gold, Silver, etc	8 KG	1600°C	5-8 min	500*500*860mm	78 KG
CDO-FL30	3 P, 380V	25 KW	Gold, K-gold, Silver, etc	10 KG	1600°C	5-10 min	500*500*860mm	78 KG
CDO-FL31	3 P, 380V	30 KW	Gold, K-gold, Silver, etc	15 KG	1600°C	8-10 min	500*500*900mm	100 KG

4-30KG Manual Tilting Gold Melting Furnace

Description

- Handle tilting operation, simple and convenient.
- Equipped with 304 stainless steel baffle in the front of the pouring area to ensure safe operation.
- Maximum melting temperature up to 1600 °C, with thermocouple temperature control.
- Unique electromagnetic stirring induction heating function, making metal melting more uniform.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-MT26	3 P, 380V	15 KW	Gold, K-gold, Silver, etc	4 KG	1600°C	2-5 min	620*500*980mm	130 KG
CDO-MT27	3 P, 380V	20 KW	Gold, K-gold, Silver, etc	6 KG	1600°C	3-6 min	620*500*980mm	130 KG
CDO-MT28	3 P, 380V	25 KW	Gold, K-gold, Silver, etc	8 KG	1600°C	5-8 min	730*630*980mm	130 KG
CDO-MT29	3 P, 380V	30 KW	Gold, K-gold, Silver, etc	10 KG	1600°C	5-10 min	730*630*980mm	130 KG
CDO-MT30	3 P, 380V	35 KW	Gold, K-gold, Silver, etc	15 KG	1600°C	10-15 min	800*700*1050mm	150 KG
CDO-MT31	3 P, 380V	40 KW	Gold, K-gold, Silver, etc	30 KG	1600°C	15-20 min	1200*750*1310mm	200 KG

1-10KG Platinum & Palladium Melting Furnace

Description

- Vertical integrated design, small footprint.
- One click operation, simple and convenient.
- Integrated circuit, intelligent and energy-saving.
- Built in water pump for easy cooling.
- Maximum melting temperature up to 2000 °C.

Parameter

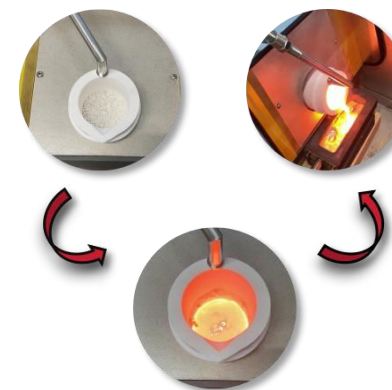


Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-FM16	3 P, 380V	15 KW	Pd, Pt, Fe, SUS	1 KG	2000°C	1-3 min	500*500*860mm	72 KG
CDO-FM17	3 P, 380V	20 KW	Pd, Pt, Fe, SUS	3 KG	2000°C	2-4 min	500*500*860mm	72 KG
CDO-FM18	3 P, 380V	25 KW	Pd, Pt, Fe, SUS	5 KG	2000°C	2-5 min	500*500*860mm	75 KG
CDO-FM19	3 P, 380V	30 KW	Pd, Pt, Fe, SUS	8 KG	2000°C	3-8 min	500*500*860mm	78 KG
CDO-FM20	3 P, 380V	30 KW	Pd, Pt, Fe, SUS	10 KG	2000°C	3-10 min	500*500*860mm	78 KG

1-10KG Manual Tilting Platinum Melting Furnace

Description

- Handle tilting operation, simple and convenient.
- Handle tilting operation, simple and convenient.
- Equipped with 304 stainless steel baffle in the front of the pouring area to ensure safe operation.
- Maximum melting temperature up to 2000 °C.
- Accurate temperature control (infrared temperature control optional), ensuring the temperature error range of ± 1 °C.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-MT16	3 P, 380V	15 KW	Pd, Pt, Fe, SUS	1 KG	2000°C	1-3 min	500*500*860mm	72 KG
CDO-MT17	3 P, 380V	20 KW	Pd, Pt, Fe, SUS	3 KG	2000°C	2-4 min	500*500*860mm	72 KG
CDO-MT18	3 P, 380V	25 KW	Pd, Pt, Fe, SUS	5 KG	2000°C	2-5 min	500*500*860mm	75 KG
CDO-MT19	3 P, 380V	30 KW	Pd, Pt, Fe, SUS	8 KG	2000°C	3-8 min	500*500*860mm	78 KG
CDO-MT20	3 P, 380V	30 KW	Pd, Pt, Fe, SUS	10 KG	2000°C	3-10 min	500*500*860mm	78 KG

Single and Double-Station Metal Melting Furnace

Description

- Dual induction coil design, can simultaneously heat 2 crucibles.
- Integrated circuit, intelligent and energy-saving.
- Maximum melting temperature up to 2000 °C.
- Medium frequency induction heating, fast melting speed, low loss.

Parameter



Model	Crucible	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-DC15	Single Quartz Crucible	380V,3P	15KW	Au, Ag, Pt, Pd, SS	1KG Gold	2000°C	1-3 min	690*550*1300MM	95KG
CDO-DC20	Single Quartz Crucible	380V,3P	20KW	Au, Ag, Pt, Pd, SS	5KG Gold	2000°C	2-5 min	870*700*1310MM	100KG
CDO-DC30	Double Quartz Crucible	380V,3P	30KW	Au, Ag, Pt, Pd, SS	2KG Gold	2000°C	1-3 min	980*550*1300MM	150KG
CDO-DC40	Double Quartz Crucible	380V,3P	40KW	Au, Ag, Pt, Pd, SS	10KG Gold	2000°C	2-5 min	1340*700*1310MM	160KG

Four-Station Metal Melting Furnace

Description

- Four induction coil design, can simultaneously heat 4 crucibles.
- Integrated circuit, intelligent and energy-saving.
- Maximum melting temperature up to 2000 °C.
- Medium frequency induction heating, fast melting speed, low loss.



Parameter

Model	Crucible	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-DC60	Four Quartz Crucible	380V,3P	60KW	Au, Ag, Pt, Pd, SS	4KG Gold	2000°C	1-3 min	1960*550*1300MM	305KG
CDO-DC80	Four Quartz Crucible	380V,3P	80KW	Au, Ag, Pt, Pd, SS	20KG Gold	2000°C	2-5 min	2680*700*1310MM	320KG

30-100KG Push-Out Type Metal Melting Furnace

Description

- Lifting push-out design, provides space for molten pouring without splashing or overflowing.
- No need for complex crucible installation operations, and crucible replacement is extremely convenient.
- Adopt IGBT power modules imported from Germany, maximum melting temperature up to 1800 °C.
- Medium frequency induction heating, fast melting speed, low loss.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Silicon Carbide Size
CDO-PO40	3 P, 380V	40 KW	Gold, Silver, Copper etc	30 KG Silver	1800°C	10-20 min	φ222*φ180*φ153*h295
CDO-PO45	3 P, 380V	45 KW	Gold, Silver, Copper etc	50 KG Silver	1800°C	15-25 min	φ260*φ215*φ180*h318
CDO-PO60	3 P, 380V	60 KW	Gold, Silver, Copper etc	80 KG Silver	1800°C	20-30 min	φ295*φ250*φ170*h365
CDO-PO70	3 P, 380V	70 KW	Gold, Silver, Copper etc	100 KG Silver	1800°C	30-40 min	φ340*φ280*φ200*h365

30-100KG Chain Tilting Metal Melting Furnace

Description

- Chain motor tilting design, by using a one click button, the furnace body can be remotely controlled for tilting, making the operation simple and safe.
- More accurate for fixed point pouring, and more efficient.
- Adopt IGBT power modules imported from Germany, maximum melting temperature up to 1800 °C.
- Medium frequency induction heating, with electromagnetic stirring function, fast melting speed, low loss.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Silicon Carbide Size
CDO-CT25	3 P, 380V	25 KW	Gold, Silver, Copper etc	20 KG Silver	1800°C	8-10 min	φ182*φ142*φ130*h225
CDO-CT35	3 P, 380V	35 KW	Gold, Silver, Copper etc	30 KG Silver	1800°C	15-18 min	φ222*φ180*φ153*h295
CDO-CT45	3 P, 380V	45 KW	Gold, Silver, Copper etc	50 KG Silver	1800°C	20-25 min	φ260*φ215*φ180*h318
CDO-CT70	3 P, 380V	70 KW	Gold, Silver, Copper etc	100 KG Silver	1800°C	25-30 min	φ340*φ280*φ200*h365

30-100KG Motor Tilting Metal Melting Furnace

Description

- Motor tilting design, by using a one click button, the furnace body can be remotely controlled for tilting, making the operation simple and safe.
- Can 24-hours load operation, with uniform electromagnetic stirring and low loss.
- Adopt IGBT power modules imported from Germany, maximum melting temperature up to 1800 °C.
- Medium frequency induction heating, fast melting speed.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-MTF30	3 P, 380V	45 KW	Gold, Silver, Copper etc	30 KG	1800°C	10-20 min	1000*900*1450mm	500 KG
CDO-MTF50	3 P, 380V	50 KW	Gold, Silver, Copper etc	50 KG	1800°C	15-25 min	1000*900*1450mm	560 KG
CDO-MTF80	3 P, 380V	60 KW	Gold, Silver, Copper etc	80 KG	1800°C	15-30 min	1300*990*1450mm	680 KG
CDO-MTF100	3 P, 380V	70 KW	Gold, Silver, Copper etc	100 KG	1800°C	20-30 min	1680*980*1450mm	700 KG

50-300KG Hydraulic Tilting Metal Melting Furnace

Description

- Removable hydraulic station designed to keep workers away from the hot molten crucible when it's time to dump, making the pouring process safer.
- Adopt the Ultra-highly conductive silicon carbide graphite crucible which is available to melt almost all metals.
- With advanced IGBT induction heating technology, super-strong electromagnetic stirring force, fast melting speed, low loss.



Furnace Mouth



Remote Tilting



Siemens Touch Screen



Hydraulic Tilting

Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time
CDO-HT45	3 P, 380V	45 KW	Gold, Silver, Copper, etc	50 KG Ag	1800°C	20-30 min
CDO-HT70	3 P, 380V	70 KW	Gold, Silver, Copper, etc	80 KG Ag	1800°C	20-30 min
CDO-HT90	3 P, 380V	90 KW	Gold, Silver, Copper, etc	120 KG Ag	1800°C	20-40 min
CDO-HT110	3 P, 380V	110 KW	Gold, Silver, Copper, etc	150 KG Ag	1800°C	20-40 min
CDO-HT160	3 P, 380V	160 KW	Gold, Silver, Copper, etc	250 KG Ag	1800°C	30-40 min

1-3KG Small Tilting Type Vacuum Platinum Melting Furnace

Description

- Integrated design, power supply and furnace body are designed into one operation cabinet, saving space.
- With manual pouring device, which can pour the melted sample into the mold which is prepared in advance.
- It can be melted in a variety of atmospheres: melting in air, protective atmosphere and high vacuum.
- Max temperature can reach 2000°C, suitable for precious metals (gold, silver, platinum, palladium) and other high-temperature alloys melting.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Dimension (L*W*H)	Weight
CDO-VTF15	3 P, 380V	20 KW	Au, Ag, Pt, Pd, alloy, etc	1 KG Pt	2000°C	2-5 min	690*1200*1100mm	220 KG
CDO-VTF17	3 P, 380V	25 KW	Au, Ag, Pt, Pd, alloy, etc	2 KG Pt	2000°C	2-5 min	690*1200*1100mm	220 KG
CDO-VTF19	3 P, 380V	30 KW	Au, Ag, Pt, Pd, alloy, etc	3 KG Pt	2000°C	2-5 min	690*1200*1100mm	220 KG

Laboratory Vacuum Induction Melting Furnace

Description

- Furnace structure can be designed as horizontal or vertical according to the final product casting, which makes it convenient to operate.
- Furnace shell adopts double-layer water cooling structure, and the surface temperature does not exceed 40 °C.
- Customizable Vacuum Systems for Precision Atmosphere Control: Diffusion Pumps and Molecular Pumps.
- IGBT special power supply and all digital circuits are adopted.

Parameter

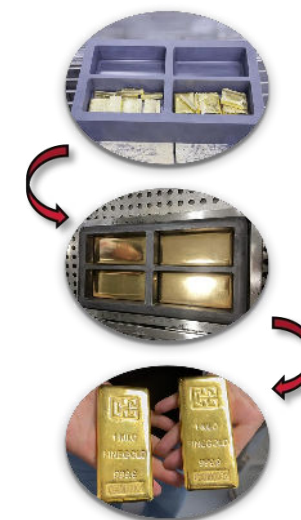


Model	Voltage	Power	Oscillation Frequency	Capacity	Max Temp	Heating Current	Power Supply	Cold Ultimate Vacuum
CDO-VIF-0.5	3 P, 380V	15 KW	30-80KHZ	0.5 KG (Fe)	1800°C	2-50A	HF induction	$< 5 \times 10^{-4} \text{ Pa}$ (Molecular pump) ; $5 \times 10^{-3} \text{ Pa}$ (Diffusion pump)
CDO-VIF-1	3 P, 380V	15/25 KW	30-80KHZ	1 KG (Fe)	1800°C	2-50A	HF induction	
CDO-VIF-2	3 P, 380V	25 KW	30-80KHZ	2 KG (Fe)	1800°C	2-50A	HF induction	
CDO-VIF-3	3 P, 380V	35 KW	1-20KHZ	3 KG (Fe)	1800°C	10-70A	MF induction	
CDO-VIF-5	3 P, 380V	80 KW	2KHZ	5 KG (Fe)	1800°C	134A	MF induction	
CDO-VIF-10	3 P, 380V	80 KW	1-20KHZ	10 KG (Fe)	1800°C	167A	MF induction	$5 \times 10^{-3} \text{ Pa}$ (Diffusion pump)
CDO-VIF-25	3 P, 380V	120-160KW	1-20KHZ	25 KG (Fe)	1800°C	201A	MF induction	$8 \times 10^{-3} \text{ Pa}$ (molecular pump)

1KG 2KG Vacuum Gold Bar Casting Machine

Description

- The entire melting process is carried out under vacuum, specially designed for casting high-quality gold & silver ingots with shiny surface.
- The mold can be customized, can cast all types of bullion and bar, like 1oz, 10oz, 1KG, 2KG etc.
- With Siemens PLC touch screen system, which can achieve manual/fully automatic operation.
- With automatic lid opening/closing system.



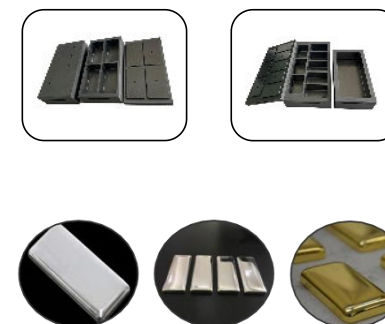
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Model	Voltage	Power	Application	Capacity	Melting Time	Cooling Time	Dimension (L*W*H)
CDO-F1	3 P, 380V	25 KW	Gold, Silver, Copper	1 pc*1KG bar	5-7 mins	6-7 mins	950*750*1070mm
CDO-F2	3 P, 380V	35 KW	Gold, Silver, Copper	2 pcs*1KG bar	6-8 mins	7-8 mins	1100*880*1100mm

4KG-30KG Vacuum Gold Bar Casting Machine

Description

- The entire melting process is carried out under vacuum, specially designed for casting high-quality gold & silver ingots with shiny surface
- The mold can be customized, can cast all types of bullion and bar, like 1oz, 10oz, 100oz, 4kg, 1000oz or larger.
- With Siemens PLC touch screen system, which can achieve manual/fully automatic operation.
- With automatic lid opening/closing system.



Parameter

Model	Voltage	Power	Application	Capacity	Melting Time	Cooling Time	Dimension (L*W*H)
CDO-F4	3 P, 380V	45 KW	Gold, Silver, Copper	4 pcs*1KG bar	7-8 min	7-10 min	1520*900*1080mm
CDO-F8	3 P, 380V	75 KW	Gold, Silver, Copper	8 pcs*1KG bar	11-15 min	12-16 min	1530*650*980mm
CDO-F12	3 P, 380V	75 KW	Gold, Silver, Copper	1 pc*12.5KG bar	10-14 min	11-15 min	1680*780*1120mm
CDO-F30	3 P, 380V	90 KW	Gold, Silver, Copper	1 pc*30KG bar	15-17 min	14-16 min	1780*960*1680mm

Precious Metal Continuous Casting Machine

Description

- It is designed to draw small volumes of different shapes of precious metals such as gold, silver, copper alloys, etc.
- Adopts downward continuous casting, can achieve metal casting of different shapes such as rod, wire, strip, bar etc.
- The casting speed is adjustable about 200mm/min, and the melting capacity range from 3kg-20kg per batch.
- Equipped with advanced hydraulic shears for easy cutting of semi-finished products.
- Vacuum or Non vacuum casting options available.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Casting Speed	Dimension (L*W*H)
CDO-JC15	3 P, 380V	15 KW	Gold, Silver, Copper	3 KG Gold	1600°C	5-8 min	10-20 cm/min	800*600*1650mm
CDO-JC18	3 P, 380V	18 KW	Gold, Silver, Copper	6 KG Gold	1600°C	5-8 min	10-20 cm/min	900*700*1750mm
CDO-JC20	3 P, 380V	20 KW	Gold, Silver, Copper	10 KG Gold	1600°C	8-10min	10-20 cm/min	1000*800*1850mm
CDO-JC30	3 P, 380V	30 KW	Gold, Silver, Copper	20 KG Silver	1600°C	10-15 min	10-20 cm/min	1000*800*1850mm

Small Upward Continuous Casting Machine

Description

- Design of upward continuous casting, suitable for casting gold/ silver/copper rod, wire, plate, or tube etc, with outstanding properties of high conductivity and good drawability.
- Adopts the coreless induction heating technology which can heat all metal at a rapid speed, enable melting can be 24 hours, and also can stop any time as you like.
- The casting speed is adjustable about 1000mm/min, and the melting capacity range from 50-100kg per batch.
- Optional servo motor, in order to guarantee high stability in speed and high precision control.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Casting Speed	Dimension (L*W*H)
CDO-UP45	3 P, 380V	45 KW	Gold, Silver, Copper	50 KG Copper	1600°C	≤40 min	1000mm/min	1260*690*1710mm
CDO-UP70	3 P, 380V	70 KW	Gold, Silver, Copper	100 KG Copper	1600°C	≤40 min	1000mm/min	1260*690*1710mm

Vacuum Centrifugal Casting Machine

Description

- Specially designed for small-volume platinum, palladium, and stainless steel casting.
- Equipped with a vacuum pump, the entire casting process will be in a vacuum state, can minimize metal oxidation.
- During the rotary casting process, the metal gets out from the crucible and enters the flask, rotating speed 0-700rpm adjustable.
- Adopts the latest Japanese crystal intermediate frequency generator, the output power is continuously adjustable.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Spinning Speed	Dimension (L*W*H)
CDO-CE15	3 P, 380V	15 KW	Pd, Pt, Fe, SUS	300G/500G Pt	2000°C	1-3 min	0-700 rpm	1026*1017*1040mm
CDO-CE20	3 P, 380V	20 KW	Pd, Pt, Fe, SUS	1000G SUS	2000°C	2-3 min	0-700 rpm	1294*1267*1130mm

1KG Mini Jewelry Vacuum Pressurized Casting Machine

Description

- Integrated design of the melting and casting chamber for a more compact structure and a smaller footprint.
- Suitable for casting gold, K-gold, silver, copper and other precision jewelry.
- Vacuum pressurized casting design highly improves castings' density and no porosity compare with the traditional casting.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Flask Size	Max Pressure	Dimension (L*W*H)
CDO-JP1	Single P, 220V	6 KW	Gold, K-gold, Silver, Copper, etc	24K Gold: 1 KG 18K Gold: 0.75 KG 925 Silver: 0.5 Kg	1600°C	4*5 inch	0.2 MPa	645*625*935mm

Stainless steel Shell Jewelry Vacuum Pressurized Casting Machine

Description

- Suitable for casting gold, K-gold, silver, copper and other precision jewelry
- The entire melting and casting process is carried out under vacuum, thus minimizing metal oxidation and minimizing metal loss.
- It can effectively cast castings with complex structures and rich details, as high vacuum environments and pressure operations can ensure more uniform flow of molten metal in the mold, filling fine voids.
- Designed with the most advanced PID temperature control, Max Temperature can reach up to 1600°C.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Flask Size	Max Pressure	Dimension (L*W*H)
CDO-JP2	3 P, 380V	15 KW	Gold, K-gold, Silver, Copper, etc	24K Gold: 2 KG 18K Gold: 1.5 KG 925 Silver: 1 Kg	1600°C	5*10 inch	0.2 MPa	800*800*1350mm
CDO-JP4	3 P, 380V	20 KW	Gold, K-gold, Silver, Copper, etc	24K Gold: 4 KG 18K Gold: 3 KG 925 Silver: 2 Kg	1600°C	5*10 inch	0.2 MPa	800*800*1350mm

Aluminum Shell Jewelry Vacuum Pressurized Casting Machine

Description

- Suitable for casting gold, K-gold, silver, copper and other precision jewelry.
- The entire melting and casting process is carried out under vacuum, thus minimizing metal oxidation and minimizing metal loss.
- It can effectively cast castings with complex structures and rich details, as high vacuum environments and pressure operations can ensure more uniform flow of molten metal in the mold, filling fine voids.
- Designed with the most advanced PID temperature control, Max Temperature can reach up to 1600°C.
- The cylinder body is made of aluminum and manufactured using an integrated molding process, offering improved sealing, higher pressure, and better vacuum performance.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Flask Size	Max Pressure	Dimension (L*W*H)
CDO-VP2	3 P, 380V	15 KW	Gold, K-gold, Silver, Copper etc	24K Gold: 2 KG 18K Gold: 1.5 KG 925 Silver: 1 Kg	1600°C	5*14 inch	0.4 MPa	820*830*1400mm
CDO-VP4	3 P, 380V	20 KW	Gold, K-gold, Silver, Copper etc	24K Gold: 4 KG 18K Gold: 3 KG 925 Silver: 2 Kg	1600°C	5*14 inch	0.4 MPa	820*830*1400mm

2-4KG Metal Granulating Machine

Description

- Suitable for granulation of various precious metals, such as gold, silver, K gold, copper, etc.
- Integrated design for easy installation and operation.
- Utilizes medium frequency induction heating technology for fast melting and high efficiency.
- Equipped with high-purity graphite crucible and quartz protective sleeve; multi-hole bottom design breaks and casts molten metal into uniform granules.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Granulating Time	Dimension (L*W*H)
CDO-MG05	3 P, 380V	12 KW	Gold, Silver, Copper	2 KG Gold	1600°C	2-5 min	2-3 min	1000*500*965mm
CDO-MG10	3 P, 380V	15 KW	Gold, Silver, Copper	4 KG Gold	1600°C	2-5 min	3-5 min	1000*500*965mm

6-10KG Metal Granulating Machine

Description

- It is applied to produce various metal grains, such as gold, silver, K gold, copper, etc.
- Integrated design, includes three parts: melting chamber with lid, water tank and loading frame.
- Come with Inert gas protection system, which minimize the oxidation in the process of metal melting and casting.
- The finished beads have no oxidation, high density and no pores, especially good spherical surface, uniform particles.



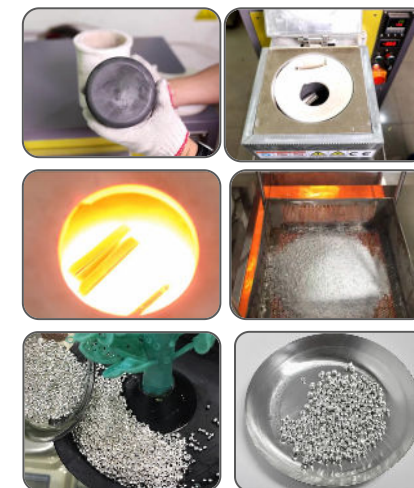
Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Granulating Time	Dimension (L*W*H)
CDO-MG15	3 P, 380V	16 KW	Gold, K-Gold, Silver, Copper	6 KG Gold	1600°C	5-8 min	4-5 min	1150*500*1100mm
CDO-MG25	3 P, 380V	18 KW	Gold, K-Gold, Silver, Copper	10 KG Gold	1600°C	5-8 min	6-7 min	1150*500*1100mm

20-50KG Metal Granulating Machine

Description

- It is applied to produce various metal grains, such as gold, silver, K gold, copper, etc.
- The finished beads have no oxidation, high density and no pores, especially good spherical surface, uniform particles and stable color.
- Come with Inert gas protection system, which minimize the oxidation in the process of metal melting and casting.
- Come with temperature control and automatic lifting loading tray device, easy for operation and collecting the finished particles.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Granulating Time	Dimension (L*W*H)
CDO-MG35	3 P, 380V	35 KW	Gold, K-Gold, Silver, Copper	20 KG Silver	1600°C	10-15 min	10-15 min	1610*1550*1930mm
CDO-MG45	3 P, 380V	45 KW	Gold, K-Gold, Silver, Copper	30 KG Silver	1600°C	10-20 min	10-15 min	1610*1550*1930mm
CDO-MG55	3 P, 380V	55 KW	Gold, K-Gold, Silver, Copper	50 KG Silver	1600°C	20-30 min	10-15 min	1610*1550*1930mm

Vacuum Metal Granules & Powder Making Machine

Description

- This water atomizer is specially designed to make gold, silver, copper, brass, zinc and its alloy fine powders or granules.
- Its principle is to use super high-pressure water pumped by the high-pressure pump to disperse metal melt into 100-1000 mesh size metal powder.
- Adopts the vacuum pump to ensure that the powder production process under the vacuum condition can minimize oxidation.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Pump Power	Water Pressure	Powder Size
CDO-PM10	3 P, 380V	20 KW	K-gold, Au, Ag, Cu, Zn etc	10 KG Copper	1600°C	10-15 min	37KW	10-15Mpa	100-1000 mesh
CDO-PM20	3 P, 380V	30 KW	K-gold, Au, Ag, Cu, Zn etc	20 KG Copper	1600°C	15-20 min	37KW	10-15Mpa	100-1000 mesh
CDO-PM30	3 P, 380V	40 KW	K-gold, Au, Ag, Cu, Zn etc	30 KG Copper	1600°C	20-25 min	37KW	10-15Mpa	100-1000 mesh
CDO-PM50	3 P, 380V	45 KW	K-gold, Au, Ag, Cu, Zn etc	50 KG Copper	1600°C	20-30 min	37KW	10-15Mpa	100-1000 mesh

Platinum Powder Making Machine

Description

- This water atomizer is specially designed to make Platinum, Palladium, Iron, Stainless steel powder.
- Its principle is to use super high-pressure water pumped by the high-pressure pump to disperse metal melt into 100-1000 mesh size metal powder.
- Equipped with PLC control touch-screen system and can realize fully automatic operation. After setting the parameters, it can be melted automatically.



Parameter

Model	Voltage	Power	Application	Capacity	Max Temp	Melting Time	Pump Power	Powder Size
CDO-PM10	3 P, 380V	40 KW	Platinum, Palladium, Iron, Stainless steel etc	10 KG	1600°C	10-15 min	37 KW	100-1000 mesh

Metal Flake Making Machine

Description

- This machine prevents high-temperature oxidation and wear on metals in centrifugal rotary blades.
- It enhances product quality while significantly reducing production costs.
- It improves refining quality, addresses recycling challenges, and boosts reactor efficiency.
- The machine ensures simple operation, reliable quality, and safe production.
- Medium-frequency heating is safe for operators.



Parameter

Model Number	Power Source	Power	Max Capacity	Melting Time	Max Temperature	Protective Gas Pressure	Air Pressure	Temperature Control	Cooling Water
CDO-FC50	Three phase 380V $\pm$ 10%, 50/60Hz	50kw	100 KG Gold	10-30 min	1250°C	0.2 MPa(argon or nitrogen)	0.6-0.8 MPa	PID	Water pressure: 0.2- 0.4 MPa, flow rate: 3m ³ /h
CDO-FC70	Three phase 380V $\pm$ 10%, 50/60Hz	70kw	20 KG Platinum	10-15 min	2000°C		0.6-0.8 MPa	PID	

Platform Type Metal Granules & Powder Making Machine

Description

- This water atomizer is specially designed to make gold, silver, copper, brass, steel, nickel and its alloy powders or granules.
- Platform type design suitable for larger production capacity, it mainly consists of melting furnace, tundish, powder making system, water tank, high-pressure pump.
- Its principle is to use super high-pressure water pumped by the high-pressure pump to disperse metal melt into 100-1000 mesh size metal powder.



Parameter

Model	Voltage	Power	Application	Capacity	Platform Size	Melting Time	Pump Power	Water Pressure	Powder Size
CDO-LPM50	3 P, 380V	70 KW	Au, Ag, Cu, Fe, Ni, Zn	50 KG Copper	4*5*2.5 m	20-30 min	55KW	15-23 MPa	100-1000 mesh
CDO-LPM100	3 P, 380V	90 KW	Au, Ag, Cu, Fe, Ni, Zn	100 KG Copper	5*5*2.8 m	20-40 min	55KW	15-23 MPa	100-1000 mesh
CDO-LPM200	3 P, 380V	110 KW	Au, Ag, Cu, Fe, Ni, Zn	200 KG Copper	5*5*3 m	30-40 min	65KW	15-23 MPa	100-1000 mesh
CDO-LPM300	3 P, 380V	160 KW	Au, Ag, Cu, Fe, Ni, Zn	300 KG Copper	5*5*3 m	30-40 min	65KW	15-23 MPa	100-1000 mesh
CDO-LPM500	3 P, 380V	250 KW	Au, Ag, Cu, Fe, Ni, Zn	500 KG Copper	5.8*5*3.2 m	40-50 min	75KW	15-23 MPa	100-1000 mesh

Hydraulic Logo Stamping Machine

Description

- Designed specifically for stamping gold bars, ensuring clean, permanent marks.
- Its simple, compact structure is space-saving and easy to operate.
- A highly cost-effective press, it delivers high pressure for quality results.
- Ideal for small batch production in studios or factories, it requires minimal maintenance and streamlined setup for fast production.



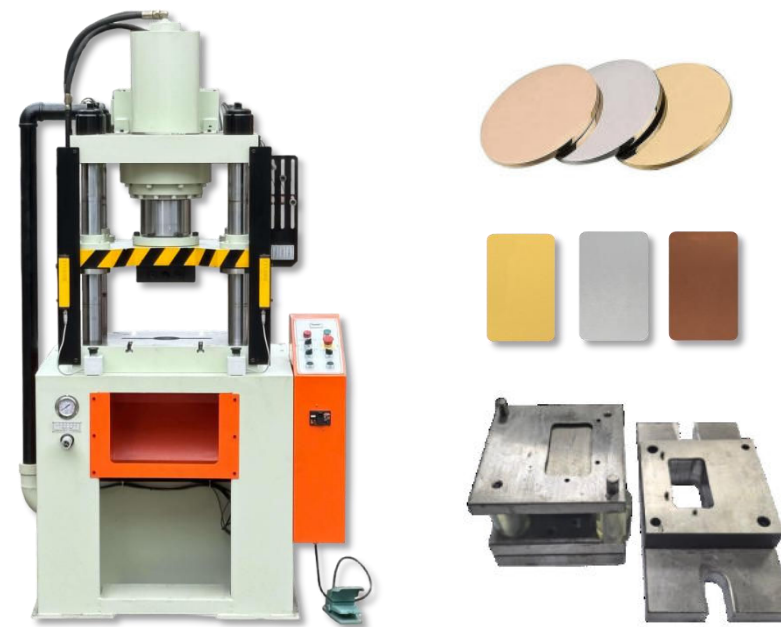
Parameter

Model	Voltage	Power	Nominal Pressure	Max Travel Of Movable Workbench	Height Of Working Platform From Ground	Max.System pressure	Opening height	Worktable Area	Overall dimension	Weight
CDO-LX100	3 P, 380V	4KW	100 Ton	150mm	780mm	20Mpa	350mm	400*400mm	1100*800*1350 mm	1350Kg
CDO-LX150	3 P, 380V	5.5KW	150 Ton	150mm	800mm	20Mpa	350mm	420*430mm	1180*900*1330 mm	2200Kg
CDO-LX200	3 P, 380V	5.5KW	200 Ton	250mm	950mm	20Mpa	380mm	535*640mm	1270*1200*1580mm	3000Kg

Hydraulic Punching Machine

Description

- High Efficiency: High-speed operation for high-volume blanking and maximum productivity.
- Multi-Functional: Versatile single-machine solution for stamping, cutting, and forming with quick die change.
- High Precision: Robust structure and precision dies ensure accurate blanking and consistent planchet quality.
- Easy to Operate: Automatic controls and quick changeovers minimize downtime and simplify operation.



Parameter

Model	Nominal Pressure	Max.System Pressure	Max Stroke	Worktable Area	Height Of Working Platform From Ground	Power	Opening height	Overall dimension	Weight
CDO-HP50	50 Ton	20Mpa	200mm	450*450mm	880mm	5.5KW	350mm	1080*940*2100mm	1600KG
CDO-HP100	100 Ton	22Mpa	200mm	500*520mm	900mm	5.5KW	380mm	1200*1050*2300mm	2500KG
CDO-HP150	150 Ton	24Mpa	200mm	520*580mm	900mm	7.5KW	380mm	1250*1200*2300mm	3000KG
CDO-HP200	200 Ton	24Mpa	250mm	520*600mm	990mm	11KW	400mm	1400*1300*2500mm	4800KG

Frame Type Hydraulic Press

Description

- Mechanically optimized high-strength steel frame for superior rigidity and strength.
- Top-mounted cylinder with fast descent and high flatness.
- Fully adjustable pressure, stroke, and dwell time.
- Infrared safety protection for secure operation.

Parameter



Model	Power	Nominal Pressure	Max Travel Of Movable Workbench	Height Of Working Platform From Ground	Max.System Pressure	Opening height	Worktable Area	Overall dimension	Weight
CDO-F100	5.5KW	100Ton	160mm	950mm	22Mpa	370mm	420*420mm	1000*800*1670mm	1650KG
CDO-F150	5.5KW	150Ton	160mm	950mm	22Mpa	370mm	420*420mm	1080*800*1780mm	1800KG
CDO-F200	5.5KW	200Ton	150mm	1050mm	22Mpa	380mm	520*500mm	1180*1100*1860mm	2400KG
CDO-SF300	11KW	300Ton	150mm	1100mm	24Mpa	380mm	580*540mm	1300*1300*1900mm	3200KG
CDO-SF500	22KW	500Ton	150mm	1185mm	25Mpa	450mm	710*640mm	1440*1370*2080mm	6600KG
CDO-SF1000	22KW	1000Ton	160mm	1400mm	25Mpa	500mm	920*880mm	1650*1880*2540mm	13000KG

2/4-Station Gold Silver Bar and Coin Blister Packaging Machine

Description

- Designed to securely package gold bars, coins, or other precious metal products in APET blister packs.
- High-sensitivity spark prevention system protects dies and products.
- Rotary table design for continuous production with minimal labor.
- With robotic arm that automatically removes finished packages(4 station).
- Provide custom blister packaging with your branding and built-in anti-counterfeiting features.



Parameter

Model	Voltage	Power	Control System	Oscillation Frequency	Upper And Lower Electrode	Upper Platen Size	Station	Capacity	Disk Size	External Dimensions (L*W*H)	Weight
CDO-HS5000	3 P, 380V	5KW	Manual	27.12MHz	200mm	350*200mm	2 Station	800 pcs/h	600*1000mm	1000*650*1750mm	250KG
CDO-HS8000	3 P, 380V	8KW	Manual	27.12MHz	200mm	400*300mm	2 Station	1000 pcs/h	650*1000mm	1000*760*1850mm	300KG
CDO-MY5000	3 P, 380V	5KW	Auto(with robotic arm)	27.12MHz	200mm	350*200mm	4 Station	2000 pcs/h	φ1000mm	1600*1150*1790mm	500KG
CDO-MY8000	3 P, 380V	8KW	Auto(with robotic arm)	27.12MHz	200mm	350*200mm	4 Station	2200 pcs/h	φ1000mm	1600*1250*1890mm	570KG

Dies For Minting & Casting

Minting Die (for coins & bars)

- Dual Die Sets: Minted bars usually involve two sets of dies—a blanking die for cutting and a hydraulic die for pressing.
- Advanced Design Process: The production begins with 2D/3D drawings, with patterns often on both sides. Complex designs may require 3D modelling, extending the production cycle.
- Precision & Complexity: Minting dies are more intricate than casting dies, as they must precisely control the bar/coin's dimensions and edge serrations (reeding).

Casting Die (for bar logo stamping)

- Single Die Set: Cast bars typically require only one set of hydraulic dies for production.
- Design Process: The die is created based on 2D drawings of the gold bar, with patterns engraved on only one side.
- Simplicity & Tolerance: The die design is relatively simple and does not require strict control over the final dimensions of the gold/silver bars.



Minting die



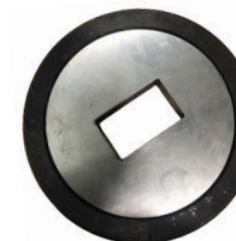
Casting die



Blank tool



Collar



Die holder



Wax Burnout Oven

Description

- Designed for secondary combustion to fully burn residual wax from dewaxing, reducing environmental odor.
- Fully auto temperature control with overheat and overcurrent protection for safe operation.
- Intermittent power function controls heating speed, ensuring mold quality and improving casting yield.
- Furnace door safety device automatically cuts power when opened, ensuring operator safety.



Parameter

Model Number	Power Source	Power	Capacity	Max Temperature	Chamber Size	Dimension (L*W*H)	Weight
CDO-WF2	220V, 1P	2.5kw	2 pcs 4*9" flask	1000°C	300*150*300 mm	470*750*940 mm	130KG
CDO-WF4	220V, 1P	3kw	4 pcs 4*9" flask	1000°C	310*310*350 mm	620*750*940 mm	150KG
CDO-WF6	220V, 1P	6kw	6 pcs 4*9" flask	1000°C	440*310*350 mm	620*890*980 mm	190KG
CDO-WF9	220V, 1P	6kw	9 pcs 4*9" flask	1000°C	440*440*350 mm	740*880*970 mm	210KG
CDO-WF12	380V, 3P, 50/60Hz	7.5kw	12 pcs 4*9" flask	1000°C	440*310*570mm	620*900*1080 mm	230KG
CDO-WF18	380V, 3P, 50/60Hz	7.5kw	18 pcs 4*9" flask	1000°C	440*460*570 mm	760*900*1080 mm	250KG
CDO-WF24	380V, 3P, 50/60Hz	9kw	24 pcs 4*9" flask	1000°C	580*460*570 mm	1020*770*1100 mm	350KG
CDO-WF32	380V, 3P, 50/60Hz	12kw	32 pcs 4*9" flask	1000°C	600*600*570 mm	1030*900*1100 mm	430KG

Rotary Burnout Oven

Description

- Max temperature 1000°C with automatic power cut-off for overheat protection, safeguarding both equipment and castings.
- Secondary combustion function re-burns exhaust gases inside the furnace, greatly reducing emissions for eco-friendly operation.
- Dual-layer rotating turntable holds 32 pcs of 4×10 inch flasks.
- Touchscreen programmable system with 30-day data logging, supporting USB export of CSV files.



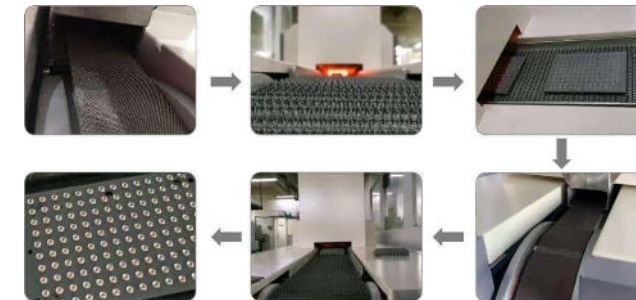
Parameter

Model	Voltage	Power	Max Temperature	Flask Quantity	Max Height Of The Flask	Number Of Heating Layers	PLC Touch Screen	Temperature Control	Working Size (L*W*H)	Outer Dimensions (L*W*H)	Weight
CDO-RB20	3-phase 380V, 50/60 Hz	20 KW	1000°C	32 pcs of 4*10 inch flask	11 inch (280mm)	2 layers	Equipped	Equipped	700 * 700 * 700mm	1300 * 1100 * 2200mm	About 800 kg

Mesh Belt Annealing & Welding Furnace

Description

- Standard lengths of 3m and 4m, customizable heating zones lengths available.
- PID temperature control with programmable heating curves.
- 310 stainless steel mesh belt, high-temperature resistant and durable.
- Built-in ammonia cracker provides N₂/H₂ atmosphere for oxidation-free protection and reduction.
- Maximum temperature up to 1000°C.
- Adjustable mesh belt speed with controller.
- Built-in timer for automatic timed heating.



Parameter

Model	Voltage	Power	Application	Heating Rate	Max Temp	Ammonia Decomposition Heating time	Mesh Belt Speed	Heating Zone Length	Cooling Zone Length	Mesh Belt Width	Dimension (L*W*H)
CDO-30MB	3 P, 380V	16KW	Au, Ag, Cu, etc	700°C/80 min	1000°C	880°C/80min	adjustable 1m/min	1200mm	900mm	60mm	3130*550*1448mm
CDO-40MB	3 P, 380V	18KW	Au, Ag, Cu, etc	700°C/80 min	1000°C	880°C/80min	adjustable 1m/min	1200mm	1500mm	60mm	3970*550*1448mm

Muffle Furnace

Description

- Modern appearance design.
- Ceramic fiber muffle ensures fast heating and effective insulation.
- Heating options: electric wire (up to 1200°C), silicon carbide rod (up to 1400°C), silicon molybdenum rod (up to 1700°C).
- PID temperature control with thyristor regulation, compensation, and self-tuning.
- Safety features include password lock function.

Parameter



Model	Max Temp	Rated Temp	Heater	Voltage	Power	Working size	Thermocouple	Temp Control Mode	Temp Rising Rate	Temp Rising Rate	Heating Mode	Dimension (L*W*H)
CDO-1100-Mini	1100°C	1000°C	Resistance wire	220V	1.2kw	100x100x100mm	K-type	30 segments Program PID Control	≤30°C/min	≤15°C/min	Heating from three sides of the furnace	220*270*380mm
CDO-1100	1100°C	1000°C	Resistance wire	220V	1.2kw	100x100x100mm	K-type	30 segments Program PID Control	≤30°C/min	≤15°C/min		500*250*410
CDO-1200-I	1200°C	1150°C	Resistance wire	220V	3.5kw	300x200x120mm	K-type	30 segments Program PID Control	≤30°C/min	≤15°C/min	Heating from four sides of the furnace	500*640*740mm
CDO-1400-I	1400°C	1350°C	silicon carbide rod	220V	3kw	160x150x150mm	S-type	50 segments Program PID Control	≤20°C/min	≤10°C/min	Heating from two sides of the furnace	550*600*900mm (L*W*H)
CDO-1700-I	1700°C	1650°C	Silicon molybdenum rod	220V	4kw	160x150x150mm	B-type	50 segments Program PID Control	≤20°C/min	≤10°C/min		550*600*900mm (L*W*H)

Annealing Furnace

Description

- Uniform heating minimizes temperature differences.
- Inert gas annealing prevents oxidation, ensuring high-quality workpieces.
- Compact design for easy self-installation, no on-site debugging required.
- Programmable heating temperature curve.
- Built-in timer for flexible start-up scheduling.
- Optional ammonia heating and decomposing unit for direct ammonia annealing.



Parameter

Model	Voltage	Maximum Temperature	Power	Protective Gas	Furnace Chamber Material	Stainless Steel Material Of Chamber And Furnace Door	Heating Zone (L*W*H)	Machine Dimensions (L*W*H)	Weight
CDO-AF16	3 P, 380V	1000°C	16KW	Ammonia, nitrogen, or a nitrogen-hydrogen mixture.	High temperature resistant burnt gems	310s Stainless steel	450*200*100 mm	850*1800*1200 mm	400Kg

Wire Annealing Furnace

Description

- High-Temperature Range – Heats to hundreds or even 1000°C for diverse precious metals.
- Precise Temperature Control – Ensures stable, accurate heating for consistent annealing results.
- Automated Touchscreen System – Monitor and adjust temperature, time, and atmosphere easily.
- Easy Maintenance Design – Heating elements and systems are accessible for quick service and long-term reliability.



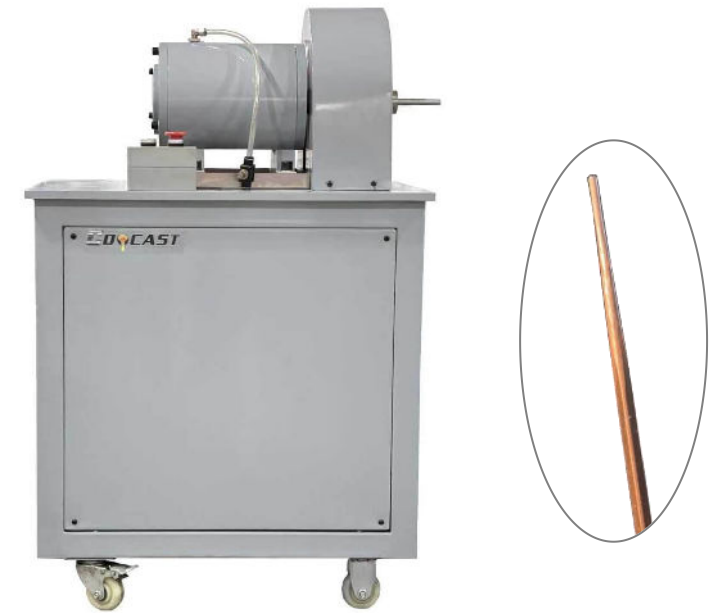
Parameter

Model number	Voltage	Power	Heating Current	Gas Consumption	Maximum Temperature	Application Metal	Wire Diameter	Outer Dimensions (L*W*H)	Weight
CDO-WA1	Single phase 220V, 50/60Hz	6.5kw	18A	Nitrogen 2-3L/M	1000°C	Gold, silver, copper, platinum, etc.	0.03-2mm	2100*850*1830mm	350KG
CDO-WAF (with ammonia decomposition)	Single phase 220V, 50/60Hz	6.5kw	18A		1000°C	Gold, silver, copper, platinum, etc.	0.03-2mm	2100*850*1830mm	350KG

Tube Necking Machine

Description

- Precision Progressive Necking: Four-segment modular dies with step-by-step compression ($\leq 5\%$ reduction per pass) ensure ± 0.02 mm accuracy while preventing material cracking.
- Smart Motion Control: The servo-driven system enables synchronized radial and axial adjustment with programmable parameters, achieving cycle times of ≤ 15 s.
- 3-Minute Die Change: Modular die sets covering $\Phi 2$ – 12 mm are coupled with standardized mounts, improving changeover efficiency tenfold.
- Multi-Metal Compatibility: Compatible with gold, silver, copper and aluminum tubes; adjustable parameters allow both tapered and stepped necking profiles.
- 500,000-Cycle Durability: Core components made of D2 tool steel (HRC 60–62), equipped with overload protection and designed for seamless automation integration.



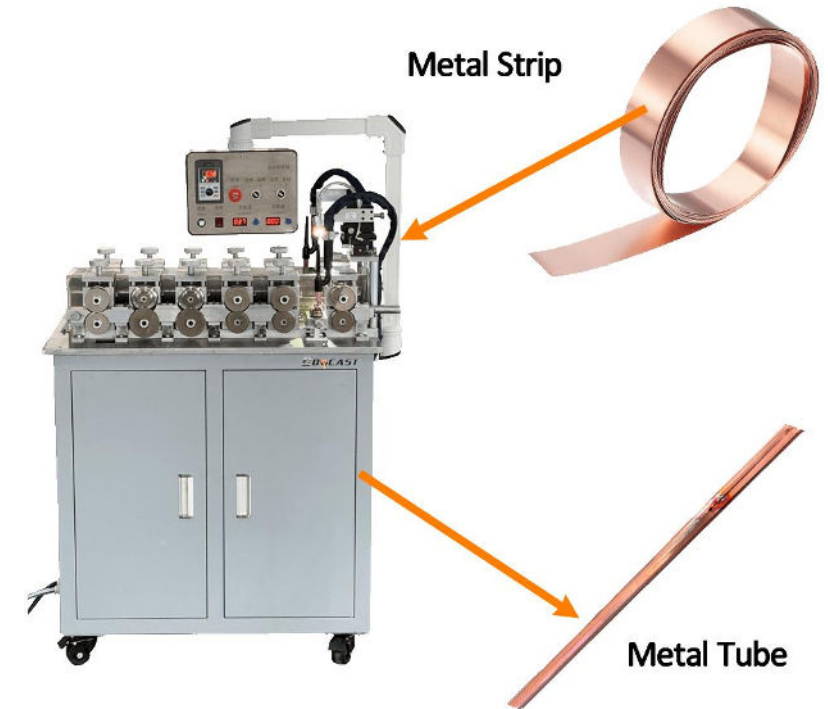
Parameter

Model number	Voltage	Motor power	Max. Diameter	Min. Diameter	Necking Ratio	Die Material	Die Length	Lubrication System	Outer Dimensions (L*W*H)	Weight
CDO-TN02	380V, 3 Phase, 50Hz	3KW	$\Phi 12$ mm	$\Phi 2$ mm	$\leq 50\%$	D2 HRC60-62	100mm	Three-phase Electric Pump	730x480x1050mm	248kg

Hollow Tube Welding Machine

Description

- It can process metal strips such as gold, silver, and copper, and the output diameter can be customized. Specially suitable for high-end manufacturing fields such as jewelry precision capillary tubes, building decoration tubes, and HVAC system tubes.
- Integrating four core modules: continuous roll forming, high-frequency welding (10-100kHz), online sizing, and chip-free cutting, a single machine completes the complete process from coil to finished pipe.
- Revolutionary production efficiency and precision, with production speed reaching 350% of traditional equipment and material utilization rate exceeding 99.3%.
- The weld strength reaches 98% of the base material (argon gas shielded welding), which can achieve perfect seamless welding.



Parameter

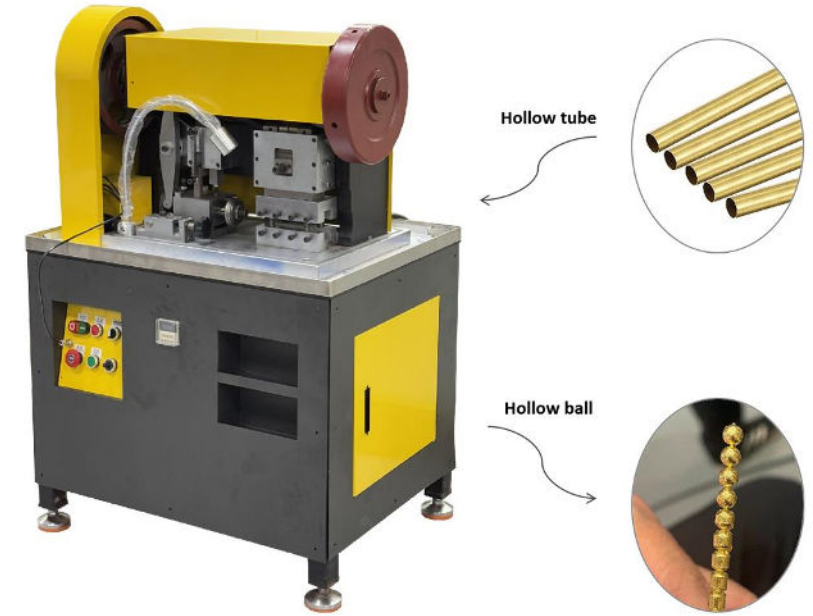
Model	Voltage	Motor Power	Tube Die Size	Tube Die Amount	Tube Die Hardness	Die Speed	Argon Welder	Outer Dimensions (L*W*H)	Weight
CDO-TW01	380V, 3 Phase, 50Hz	1.5KW	Φ4-11.5mm	Customized 1 Set	HRC 52	17r/min	220V-200A-1 Set	1230x510x1160mm	400kg
CDO-TW02	380V, 3 Phase, 50Hz	1.5KW	Φ4-11.5mm	Customized 2 Set	HRC 52	17r/min	220V-200A-2 Set	1500x746x1650mm	600kg

Hollow Ball Making Machine

Description

- Processes gold, silver, copper, and other metals into custom hollow balls.
- Produces round and olive ball.
- Precision manufacturing of balls from 2mm to 10mm in diameter.
- Ideal for jewelry, hardware, crafts, and fashion accessories.
- Easy operation with automated loading, monitoring, and unloading.
- Durable mechanical structure ensures stable, long-term performance.
- It can be used to make both solid beads and hollow beads.

Parameter



Model	Voltage	Motor Power	Bead Diameter	Process Efficiency	Operation Mode	Outer Dimensions (L*W*H)	Weight
CDO-BG02	380V, 3 Phase	2.2KW	Round ball: Ø2.0-Ø10mm Olive ball: Ø2.0-Ø10mm	70-80 pcs/min	Switch Control	650*840*1100 mm	390kg
CDO-BG04	380V, 3 Phase	7.5KW	Round ball: Ø3-14mm Olive ball: Ø3-14mm	80-90 pcs/min	Switch Control	1150*900*1500mm	920kg

Wire Drawing Machine

Description

- **Efficient Operation:** The CDOCAST wire drawing machine delivers high productivity. Its wire wheels are precision-machined from imported materials and feature a carburized surface for enhanced wear resistance.
- **Adjustable & Automated:** Equipped with a stepless speed regulation motor, the machine also includes an automatic reel change and rewinding system.
- **Integrated Cooling & Safety:** A built-in automatic cooling system maintains consistent performance. The machine is designed to shut off automatically upon completion of the job.



Parameter

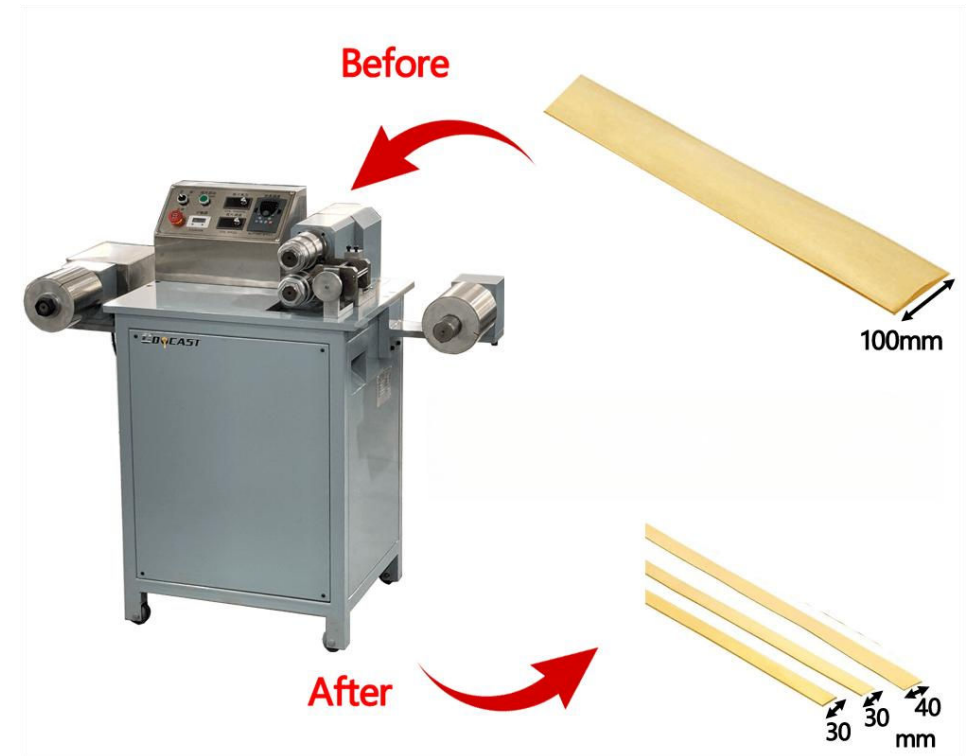
Model	Power Source	Power	Application	Dies Capacity	Wire Diameter Range	Drawing Speed	Outer Dimensions (L*W*H)	Weight	Cooling Way
CDO-WD1	3 phase 380V, 50/60Hz	4KW	Au, Ag, Cu wire shrinkage	1 pcs per time	2.2mm→0.2mm	0-50 m/min	650*550*1000MM	150kg	Automatic liquid cooling
CDO-WD8	3 phase 380V, 50/60Hz	4KW	Au, Ag, Cu wire shrinkage	8 pcs per time	2.2mm→0.2mm	0-50 m/min	1300*740*1370mm	420kg	Automatic liquid cooling
CDO-WD12	3 phase 380V, 50/60Hz	7.5KW	Au, Ag, Cu wire shrinkage	12 pcs per time	2.2mm→0.2mm	0-50 m/min	1300*740*1370mm	420kg	Automatic liquid cooling

Metal Slitting Machine

Description

- Application Range – Processes precious/non-ferrous metal strip (gold, silver, platinum, aluminum, copper, alloys).
- Precision Slitting - Handles materials with max input width of 100mm.
- Quality Output – Burr-free edges & lossless material waste, ideal for jewelry manufacturing.
- Stable Operation – Auto unwinding/rewinding with inverter speed control.
- Durable Design – Robust construction & precision tooling for high-end processing.

Parameter

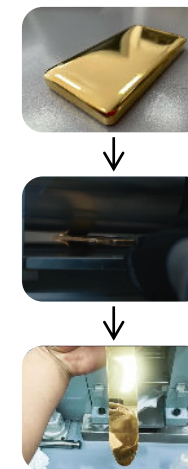


Model	Power	Voltage	Application	Coiler Motor	Slitting Knife Hardness	Slitting Knife Material	Slitting Thickness	Slitting Width	Slitting Speed	Outer Dimensions (L*W*H)	Weight
CDO-SW02	1.1KW	3Phase 380V	Gold, Silver, Copper, Alloy and Platinum Strip	120W	HRC 62-64	DC53/W18	1~0.1mm	≤100mm (Customized)	0-30m/min (Frequency Control)	1360*770*1200mm (L*W*H)	300kg

Metal Strips Rolling Mill

Description

- Premium-grade rollers ensure quality and operational stability.
- Heavy-duty structure significantly enhances operating safety.
- Unique design substantially improves binding precision.
- Processes various precious metals without material loss.
- Rolling mill can be customized to meet specific requirements.
- Multi-driver configuration with varied drive structures ensures steady speed and prevents interference.



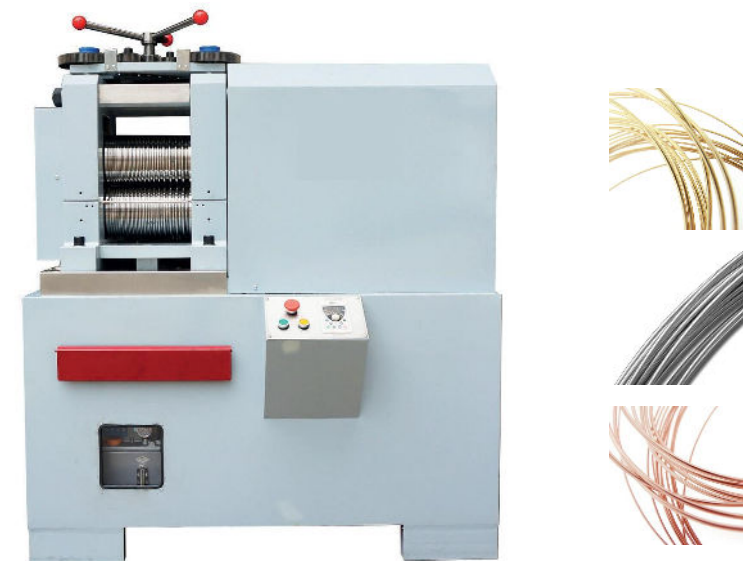
Parameter

Model	Power	Voltage	Roller Speed	Output Thickness	Roller Material	Roller Hardness	Roller Size	Lubrication System	Weight
CDO-RM5.5	4KW	380V, 3P, 50/60Hz	9.4m/min	20-0.1 mm	Cr12MoV	HRC 60-62	Φ108x180mm	Bearing Bush Grease Lubricated	600kg
CDO-RM7.5	5.5KW	380V, 3P, 50/60Hz	11.4m/min	25-0.1mm	Cr12MoV	HRC 60-62	Φ132x180mm	Bearing Bush Grease Lubricated	950kg
CDO-RM10	7.5KW	380V, 3P, 50/60Hz	13.1m/min	30-0.1 mm	Cr12MoV	HRC 60-62	Φ151x180mm Φ151x250mm	Bearing Bush Grease Lubricated	1200kg
CDO-RM15	11KW	380V, 3P, 50/60Hz	15.6m/min	30-0.1mm	Cr12MoV	HRC 60-62	Φ180x250mm	Bearing Bush Grease Lubricated	1700kg
CDO-RM20	15KW	380V, 3P, 50/60Hz	13.4m/min	45-0.15 mm	Cr12MoV	HRC 60-62	Φ200x250mm	Bearing Bush Grease Lubricated	3000kg

Jewelry Wire Rolling Machine

Description

- **Premium Alloy Rollers:**Forged alloy rollers offer superior wear/thermal stability, ensuring high-quality surface finish and consistent precision.
- **Heavy-Duty Rigid Frame:**One-piece construction minimizes vibration, enhances safety, and improves dimensional consistency and machine longevity.
- **Precision Wire Guiding System:**Proprietary guides center wire precisely, reducing tolerances and preventing twisting for uniform geometry.
- **Zero-Contamination Design:**Non-reactive polished materials prevent cross-contamination and material loss across gold, silver, platinum, etc.



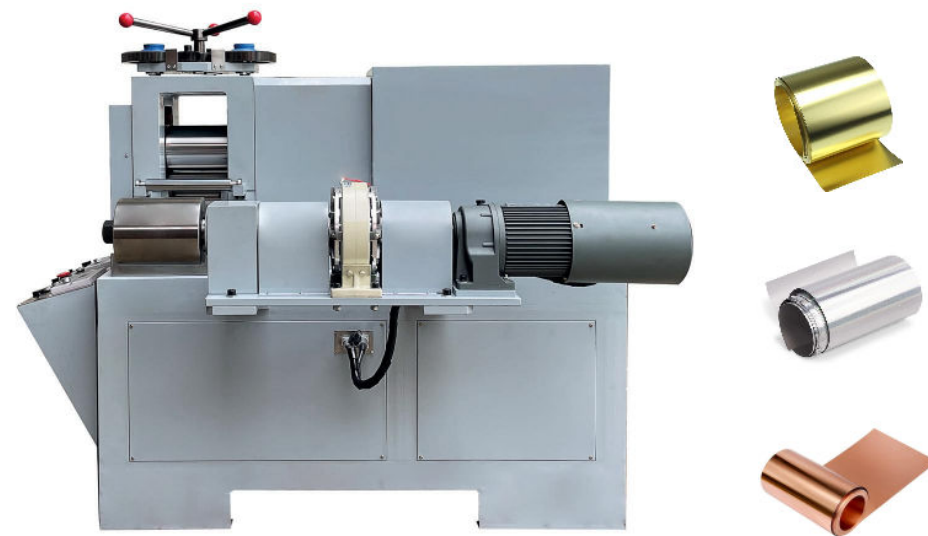
Parameter

Model	Power	Voltage	Roller Speed	Wire Size	Roller Material	Roller Hardness	Roller Size	Lubrication System	Dimensions (L*W*H)	Weight
CDO-WR5.5	4KW	380V, 3P, 50/60Hz	15m/min	7*7-1*1mm	Cr12MoV	HRC 60-62	Φ108x228mm	Bearing Bush Grease Lubricated	1200*640*1370mm	600kg
CDO-WR7.5	5.5KW	380V, 3P, 50/60Hz	18.3m/min	7*7-1*1mm	Cr12MoV	HRC 60-62	Φ132x228mm		1340*750*1420mm	950kg
CDO-WR10	7.5KW	380V, 3P, 50/60Hz	21m/min	14*14-6*6mm	Cr12MoV	HRC 60-62	Φ151x250mm		1430*760*1500mm	1200kg
CDO-WR15	11KW	380V, 3P, 50/60Hz	25m/min	18.5*18.5-11*11mm	Cr12MoV	HRC 60-62	Φ180x250mm		1530*840*1600mm	1700kg
CDO-WR20	15KW	380V, 3P, 50/60Hz	13.4m/min	23.5*23.5-17*17mm	Cr12MoV	HRC 60-62	Φ200x250mm		1740*900*1700mm	3000kg

Tungsten Carbide Rolling Mill

Description

- Ultra-Hard Tungsten Steel Rollers: Made from high-density tungsten carbide (HRC 92–93). Offers 5–8x longer life than standard rollers. Ideal for high-precision continuous rolling.
- Precision Press Forming: Achieves ± 0.01 mm accuracy. Produces uniform, burr- and crack-free sheets. Suitable for ultra-thin precious metal and electronic foils.
- Mirror-Finish Surface: $Ra \leq 0.05\mu\text{m}$ polished finish, ready for high-end applications. No secondary polishing required. Magnetic Powder Coiler.
- Magnetic Particle Clutch: Enables precise torque control with millisecond response. Protects against overloads and material jams.



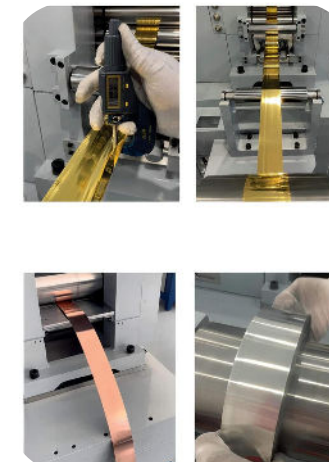
Parameter

Model	Power	Roller Speed	Output Thickness	Output Tolerance	Roller Material	Roller Hardness	Roller Size		Addition	Outer Dimensions (L*W*H)	Weight
CDO-RMC4	3KW	8.5m/min	5-0.1 mm	$\pm 0.003\text{mm}$	Tungsten Carbide	HRC 92-93	$\Phi 98 \times 120\text{mm}$	(Carbide Length 120mm)	Torque Motor Coiler	920*1020*1300mm	500kg
CDO-RMC5.5	4KW	10.7m/min	20-0.1 mm		Tungsten Carbide	HRC 92-93	$\Phi 123 \times 152\text{mm}$	(Carbide Length 120mm)	Torque Motor Coiler	1320*1160*1370mm	630kg
CDO-RMM5.5	4KW	10.7m/min	30mm-0.05mm (60mm Width Gold)		Tungsten Carbide	HRC 92-93	$\Phi 123 \times 152\text{mm}$	(Carbide Length 120mm)	Magnetic Powder Clutch Coiler	1420*1260*1470mm	650kg
CDO-RMM7.5	5.5KW	11.4m/min	25-0.1mm		Tungsten Carbide	HRC 92-93	$\Phi 132 \times 180\text{mm}$	(Carbide Length 150mm)	Magnetic Powder Clutch Coiler	1580*1350*1420mm	1200kg

CNC Controlled 4-Roller Precision Rolling Machine

Description

- Stable Structure – High-strength frame ensures reliable rolling performance.
- CNC Precision – Fully digital control for accurate parameter adjustment.
- Ultra-Thin Rolling – Processes materials down to micron-level thickness (e.g., 0.006 mm).
- Precision Roll System – Uses Cr12MoV backup rolls and DC53 work rolls for long-term durability.
- Continuous Operation – Auto coiling/uncoiling enables non-stop production.
- High Accuracy – Thickness tolerance $\leq \pm 0.002$ mm with smooth, burr-free surface.



Parameter

Model	Power	Voltage	Servo Lift	Roller Speed	Output Thickness	Output Tolerance	Roller Material	Roller Hardness	Roller Size	Outer Dimensions (L*W*H)	Magnetic Powder Coiler (Optional) Winding Motor	Weight
CDO-RMN7.5	5.5kW	380V, 3P, 50/60Hz	0.85kW	11.4m/min	25-0.1mm	$\leq \pm 0.002$ mm	Cr12MoV	HRC 60-62	$\Phi 132 \times 180$ mm	1420*1350*1600mm	10kg: 2.2kW	1300kg
CDO-RMN10	7.5kW	380V, 3P, 50/60Hz	0.85kW	13.1m/min	30-0.1mm		Cr12MoV	HRC 60-62	$\Phi 151 \times 180$ mm $\Phi 151 \times 250$ mm	1430*1350*1650mm	10kg: 2.2kW	1800kg
CDO-RMN15	11kW	380V, 3P, 50/60Hz	1.8kW	20m/min	0.5-0.006mm (60mm Width Copper Strip)		Working Roller: DC53 Supporting Roller: Cr12MoV	DC53: HRC 60-63 Cr12MoV: HRC 60-62	Working Roller: $\Phi 52 \times 200$ mm Supporting Roller: $\Phi 200 \times 200$ mm	1570*1170*1820mm	10kg: 2.2kW	2300kg
CDO-RMN20	15kW	380V, 3P, 50/60Hz	1.8kW	13.4m/min	45-0.15mm		Cr12MoV	HRC 60-62	$\Phi 200 \times 250$ mm	1740*1500*1900mm	10kg: 2.2kW 20kg: 3.7kW	3300kg

Jewelry Double Head Rolling Machine

Description

- Dual Rolling Heads: Double output with simultaneous processing. Compact and flexible.
- Customizable Rollers: Tailor dimensions and materials for precise control of thickness, texture, and finish.
- Integrally Cast Frame: Heavy-duty design ensures rigidity, stability, and long-lasting precision.
- Dual Servo Drive: Independent servo motors deliver smooth, accurate, and synchronized operation.
- Smooth Rolling Performance: Uniform pressure for consistent, bubble-free finishes every time.



Parameter

Model	Power	Voltage	Roller Speed	Wire Size	Roller Material	Roller Hardness	Roller Size	Lubrication System	Outer Dimensions (L*W*H)	Weight
CDO-RMD7.5	5.5kW	380V, 3P, 50/60Hz	18.3m/min	20*20-1*1mm	Cr12MoV	HRC 60-62	Φ132*228mm	Bearing Bush Grease Lubricated	1420*700*1430mm	1500kg
CDO-RMD10	7.5kW	380V, 3P, 50/60Hz	13.1m/min	25*25-1*1mm	Cr12MoV	HRC 60-62	Φ151*250mm	Bearing Bush Grease Lubricated	1600*770*1500mm	2200kg
CDO-RMD15	11kW	380V, 3P, 50/60Hz	19m/min	30*30-6*6mm	Cr12MoV	HRC 60-62	Φ180x250mm	Bearing Bush Grease Lubricated	1700*1200*1560mm	3000kg

XRF Gold Analyzer



Description

- High precision & fast testing speed.
- Intuitive interface – works standalone or PC-connected.
- Compact design, small footprint.
- Live display of sample weight and composition during measurement.
- USB interface is provided for data export.



CDO-N3



CDO-X5



CDO-T6



CDO-PM350



CDO-X6M



PS7

Parameter

Model	Analysis range	Precision	Detector	Test Time	Measuring Element	Net/Gross Weight	Outer Dimensions (L*W*H)
CDO-N3	0.01% to 99.99%	±0.1%	Gas proportional	10~60sec	Au / Ag / Pt / Pd / Cu (5 elements)	33kg / 45kg	410*500*430mm
CDO-X5	0.01% to 99.99%	±0.05%	Si-Pin (China)	10~60sec	Au, Ag, Pt, Pd, Re, Ir, W, cd, Cu, Ni, Zn, Rh, Ru, Fe, Co, Os, Pb, Sn, In, Mn	38kg / 50kg	520*450*400mm
CDO-T6	0.01% to 99.99%	±0.03%	Si-Pin (Germany)	10~60sec	All metal elements from Potassium (K) to Uranium (U)	40kg / 60kg	330*580*360mm
CDO-X6M	0.01% to 99.99%	±0.05%	Si-Pin (USA)	30~100s	All metal elements from Potassium (K) to Uranium (U)	32kg / 52kg	410*320*350mm
CDO-PM350	0.01% to 99.99%	±0.05%	Si-Pin (USA)	10~60s	All metal elements from Potassium (K) to Uranium (U)	28kg / 45kg	414*416*362mm
PS7	0.01% to 99.99%	±0.01%	SDD (USA)	10~60s	All metal elements from Aluminum (Al) to Uranium (U)	34.5kg / 50kg	360*525*345mm

Handheld XRF Metal Analyzer

Description

- Portable & Simple: Compact and lightweight for easy carrying. Features one-button operation.
- Fast & Precise: Multi-language, fast analysis, and near lab-level precision.
- Smart Software: Professional software for custom reports, auto-calibration, remote diagnostics, and online upgrades.
- Multiple Connectivity: Data transfer via USB, Wi-Fi, or Bluetooth. Export to Excel/PDF. Supports cloud services.



Parameter

Model	TrueX G5	TrueX G7	TrueX 800	TrueX 860	TrueX 900	TrueX 960
Monitor	4.3-inch industrial-grade resistive touch screen, multiple language operating system					
Detector	Si-Pin detector	SDD detector	Si-Pin detector	SDD detector	Si-Pin detector	SDD detector
Application	Precious metal	Precious metal	Alloy	Alloy	Mineral / Ore	Mineral / Ore
Measuring Element	Fe,Co,Ni,Cu,Zn,Se,Ru,Rh,Pd,Ag,Cd,In,Ir,Pt,Au,Pb		Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Rh, Pd, Ag, Cd, Sn, Sb, Hf, Ta, W, Re, Pb, Bi	Mg, Al, Si, P, S, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Rh, Pd, Ag, Cd, Sn, Sb, Hf, Ta, W, Re, Pb, Bi	K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Sb, Hf, Ta, W, Au, Hg, Pb, Bi	Mg, Al, Si, P, S, Cl, K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Sb, Hf, Ta, W, Au, Hg, Pb, Bi
Weight	1.6Kg (With battery)					
Size (L*W*H)	254*79*280 mm					

Laser Welding Machine

Description

- High Energy Density: Rapid, localized melting for fast welding.
- Minimal Thermal Impact: Short heating time reduces distortion and stress.
- Precise Welds: Narrow, fine seams minimize post-processing.
- Excellent Control: Adjustable power and focus for diverse materials and needs.
- Wide Applicability: Welds various metals (steel, aluminum, copper, etc.) across industries.
- High Automation: Integrates with robots and production lines for efficient, consistent output.



Parameter

Model	Voltage	Maximum laser power	Power	Laser wavelength	Laser welding minimum molten pool	Laser pulse frequency	Laser pulse width	Spot Adjustment Range	Protective Gas	Main unit dimensions	Cooling system dimensions
CDO-DJ150	220V, 1P, 50/60Hz	150W	6KW	1064nm	0.1mm	≤50Hz	≤20ms	0.1-3.0mm	1 channel	1000*480*1080mm	400*350*880mm
CDO-DJ200	220V, 1P, 50/60Hz	200W	8KW	1064nm	0.1mm	≤50Hz	≤20ms	0.1-3.0mm	1 channel	1000*480*1080mm	400*350*880mm
CDO-DJ300	220V, 1P, 50/60Hz	300W	9KW	1064nm	0.1mm	≤50Hz	≤20ms	0.1-3.0mm	1 channel	1000*480*1080mm	400*350*880mm

Laser Marking Machine

Description

- Non-Contact Processing – No tool contact prevents damage and wear, ensuring clean, consistent marks.
- Precision & Low Impact – Finely focused beam minimizes material consumption and heat-affected zone.
- High Efficiency & Automation – Computer-controlled for fast, repeatable marks, easy to integrate into automated lines.



Parameter

Model	Laser Power	Laser Wavelength	Beam Quality	Repeat Frequency	Marking Speed	Marking Range	Min. Line Width	Min. character	Power consume	Cooling way	Power demand
CDO-LM20	20W	1064nm	<1.3m ²	20-200KHz	9000mm/s	≤300*300mm (customized)	0.02mm	0.1mm	0.8KW	Air-cooling	220V±10%/50Hz
CDO-LM30	30W	1064nm	<1.3m ²	20-200KHz	9000mm/s	≤300*300mm (customized)	0.02mm	0.1mm	0.8KW	Air-cooling	220V±10%/50Hz

Aqua Regia Refining Equipment

Description

- Versatility – Suitable for refining scrap jewelry, electronic waste, and industrial catalysts (low purity gold materials, such as 18K 14K or lower).
- High-Purity Yield – Engineered for exceptional recovery rates and ultra-pure output with consistent results.
- Cost-Effective – Lower initial setup cost compared to electrolytic system.
- End-to-End Customization – Offers tailored solutions spanning from raw material melting to exhaust and wastewater treatment.



Parameter

Feature	Process Type	Chemicals Used	Suitable Metals	Purity requirements for raw materials	Purity Achievable	Speed	Waste Production	Safety Concerns	Production capacity	Skill Requirement
Aqua Regia Method	Chemical dissolution	$\text{HNO}_3 + \text{HCl}$ (3:1 ratio)	Au, Pt, Pd	No requirements	99.5%-99.99%	Fast (5-6 hours)	Toxic fumes (NO_x , Cl_2), acidic waste	Highly corrosive, toxic gases	Suitable for small-medium batches	Moderate (acid handling experience)
Electrolysis Method	Electrochemical process	Acidic/alkaline electrolyte (e.g., H_2SO_4)	Au, Ag, Pt (varies by setup)	$\geq 92\%$	99.9%-99.999%	Slow (24 hours)	Less chemical waste, metal sludge	Electrical hazards, electrolyte handling	Better for industrial-scale production	High (electrochemistry knowledge)

Electrolytic Refining Equipment

Description

- Efficient Electrolysis Process – Utilizes the principle of electrolysis to dissolve the anode gold / silver in the electrolyte, depositing it onto the cathode to form metallic gold / silver.
- Ultra-High Purity Output – Produces metals up to 99.999% purity (e.g., silver and gold electrolysis).
- Less Chemical Waste – Reduces reliance on acids like aqua regia, minimizing environmental impact.
- Automation-Friendly – Continuous processing with minimal manual intervention.



Parameter

Feature	Process Type	Chemicals Used	Suitable Metals	Purity requirements for raw materials	Purity Achievable	Speed	Waste Production	Safety Concerns	Production capacity	Skill Requirement
Aqua Regia Method	Chemical dissolution	$\text{HNO}_3 + \text{HCl}$ (3:1 ratio)	Au, Pt, Pd	No requirements	99.5%-99.99%	Fast (5-6 hours)	Toxic fumes (NO_x , Cl_2), acidic waste	Highly corrosive, toxic gases	Suitable for small-medium batches	Moderate (acid handling experience)
Electrolysis Method	Electrochemical process	Acidic/alkaline electrolyte (e.g., H_2SO_4)	Au, Ag, Pt (varies by setup)	$\geq 92\%$	99.9%-99.999%	Slow (24 hours)	Less chemical waste, metal sludge	Electrical hazards, electrolyte handling	Better for industrial-scale production	High (electrochemistry knowledge)

Silver Electrolytic Tank

Description

- High Purity Silver Output. Guaranteed 99.99 Percent Silver Electrolysis refining for maximum market value.
- Smart PLC Control System. Equipped with a Digital PLC Touch Screen for precise current adjustment and real time monitoring of the Electrolysis Process.
- Compact Desktop Design. A small footprint Silver Smelting and Refining unit with a robust 10kg per 24h processing capacity.
- Durable Corrosion Resistant. Build Constructed with high quality Acid Resistant PP Materials ensuring a long service life.

Parameter



Model	Voltage	Power consumption	Capacity	Product purity	Electrolysis cycle	Tank material	Control mode	External dimension	Weight
CDO-SE5	220V, Single phase, 50/60Hz	0.8 kWh/kg (Ag)	5 KG silver	≥ 99.99%	24 hours (adjustable)	PP thickened corrosion-resistant groove	PLC touch screen	480*300*620 mm	50 KG
CDO-SE10	220V, Single phase, 50/60Hz	0.8–1.2 kWh/kg (Ag)	10 KG silver	≥ 99.99%	24 hours (adjustable)	PP thickened corrosion-resistant groove	PLC touch screen	690*480*900 mm	75 KG
CDO-SE30	220V, Single phase, 50/60Hz	≤1.2kWh/kg (Ag)	30 KG silver	≥ 99.99%	24 hours (adjustable)	PP thickened corrosion-resistant groove	PLC touch screen	1500*1000*1100 mm	150 KG

Water Chiller

Description

- Vortex Compressor & Quality Parts – Uses hermetically sealed vortex compressor and efficient copper-tube condensers/evaporators.
- Safe & Easy to Use – Features safety protection, low noise, long life, and an intuitive LCD interface for simple operation.
- Efficient Cooling System – Single or multi-compressor options allow automatic load-based switching to save energy and extend service life.
- Compact & Complete Design – Shell box structure with integrated tank and pump; no cooling tower needed for easy installation and maintenance.



Parameter

Model	Voltage	Refrigerating Capacity	Total Power	Compressor Power	Air Fan Power	Cooling water Flow	Water tank	Pump Power	Overall Dimension	Weight
CDO-W3P	380V, 3P, 50/60Hz	7216Kcal/h	3.6KW	2.25KW	0.36KW	5m³/h	65L	0.55kw	1180*600*1000mm	100KG
CDO-W5P		12790Kcal/h	5.5KW	3.75KW	0.36KW	5 m³/h	110L	0.55kw	1300*550*1350mm	220KG
CDO-W10P		28184Kcal/h	11KW	7.5KW	0.6KW	12 m³/h	188L	1.5KW	1560*700*1370mm	350KG
CDO-W15P		44419 Kcal/h	17KW	11.25KW	1.1KW	16m³/h	350L	1.85KW	1700*700*1620mm	490KG
CDO-W20P		59442Kcal/h	22.7KW	15KW	1.1KW	16m³/h	400L	2.2KW	1900*800*1730mm	590KG
CDO-W30P		87741Kcal/h	30KW	22.5KW	3.3KW	20m³/h	480L	3KW	2600*1000*1800mm	850KG

Vibratory Polishing Machine

Description

- **Versatile Use:** Polishes various metals (gold, silver, copper) and hard synthetic materials.
- **Full Automation:** Fully automated process reduces reliance on labor and cuts costs.
- **Multi-Function Surface Treatment:** Capable of deburring, deep cleaning, gloss enhancement, and edge passivation.
- **Gentle & Non-Destructive:** Gentle vibration prevents damage to thin-walled or precision parts.
- **Improved Workflow:** Simplifies polishing and enhances process management.
- **High Efficiency:** Processes tens of kilograms per cycle, up to 20x faster than manual polishing.
- **Easy & Economical:** Simple to operate, low maintenance, and reduces labor costs.



Parameter

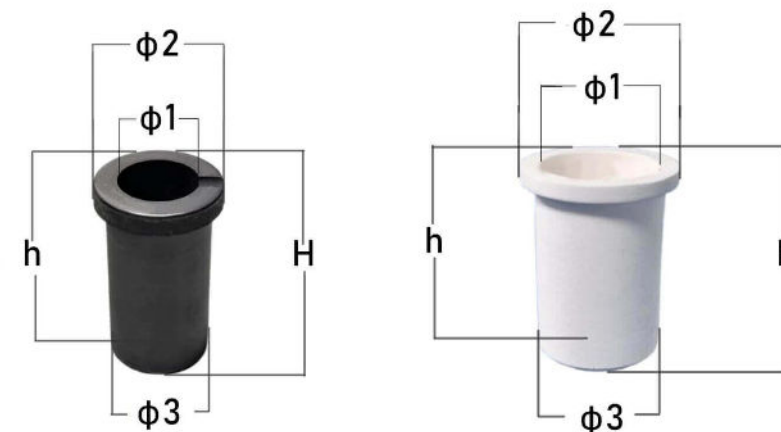
Model	Voltage	Power	Capacity	Rotation Rate	Overall Dimension	Weight
CDO-VPM40	380V, 3 Phase, 50Hz	550W	40L	1450R/Min	φ50*62mm	50KG
CDO-VPM60	380V, 3 Phase, 50Hz	750W	60L	1450R/Min	φ64*62mm	85KG
CDO-VPM80	380V, 3 Phase, 50Hz	750W	80L	1450R/Min	φ80*75mm	100KG

Graphite Crucible

Description

- Graphite crucibles has good thermal conductivity and high temperature resistance;
- Using in high temperature process, thermal expansion coefficient is small.
- It has resistance strain performance to hot and cold, Strong corrosion resistance to the acid, alkali solution.
- Graphite composition of graphite crucibles are all using natural graphite.

Parameter

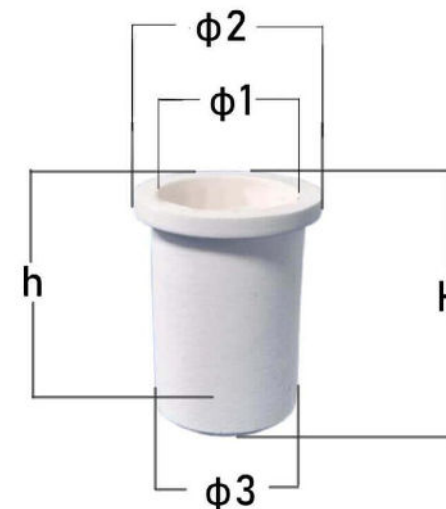


Description	Capacity	1kg		2kg		4kg		6kg		8kg		10kg	
Size (mm)	Name	Graphite crucible	Quartz sleeve	Graphite crucible	Quartz sleeve	Graphite crucible	Quartz sleeve	Graphite crucible	Quartz sleeve	Graphite crucible	Quartz sleeve	Graphite crucible	Quartz sleeve
	Ø1	34	50	42	60	56	80	70	93	78	106	88	113
	Ø2	58	68	68	82	84	100	105	120	115	129	120	143
	Ø3	46	54	57	69	74.5	87	87	106	102	119	112	132
	h	78	81	97.5	103	126.5	127	145	147	168	170	170	169
	H	88	86	108	110	136.5	134	155	153	183	180	184	182

Quartz Crucible

Description

- **High-Purity Material:** Made from fused silica for superior chemical inertness.
- **Exceptional Thermal Resistance:** Withstands extreme temperatures and rapid thermal cycling.
- **High Transparency:** Allows for precise visual monitoring of processes like crystal growth.
- **Excellent Acid Resistance:** Ideal for harsh chemical environments.



Parameter

Description	Size (mm)		
Capacity	Ø1(external)	Ø2(internal)	H1(height)
500g	48	35	87
1kg	60	46	100
3kg	86	60	120
5kg	90	65	155
8kg	146	90	190
10kg	146	100	190

Silicon Carbide Crucible

Description

- High Thermal Conductivity: Efficiently dissipates heat, ensuring stability in high-temperature environments.
- Superior Thermal & Chemical Stability: Maintains strength and resists oxidation at extreme temperatures (up to 1600°C+).
- Excellent Mechanical Strength: Offers high rigidity and low thermal expansion for durable, precision components.
- Wide Bandgap Semiconductor: Enables high-power, high-frequency, and high-temperature electronic devices with greater efficiency.



Parameter

Description	Capacity	10kg	20kg	30kg	40kg	50kg	60kg	80kg	100kg	120kg	150kg	200kg	250kg	300kg	350kg	400kg	500kg
Size(mm) ±5mm	Upper Outer Diameter	142	182	222	235	260	275	295	340	340	370	400	445	460	500	520	525
	Upper Inner Diameter	110	142	180	195	215	225	250	280	285	310	345	380	390	420	455	433
	Bottom Outer Diameter	90	130	153	170	180	180	170	200	170	150	190	220	240	260	250	255
	Total Height	180	225	295	285	318	330	365	365	390	452	510	565	595	633	665	740



Precious Metal Melting & Casting Expert



Melting Furnace



Bullion Casting



Granulating



Continuous Casting



Jewelry Casting



Hydraulic Press



Rolling Mill

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