



Coin Minting Solution Supplier

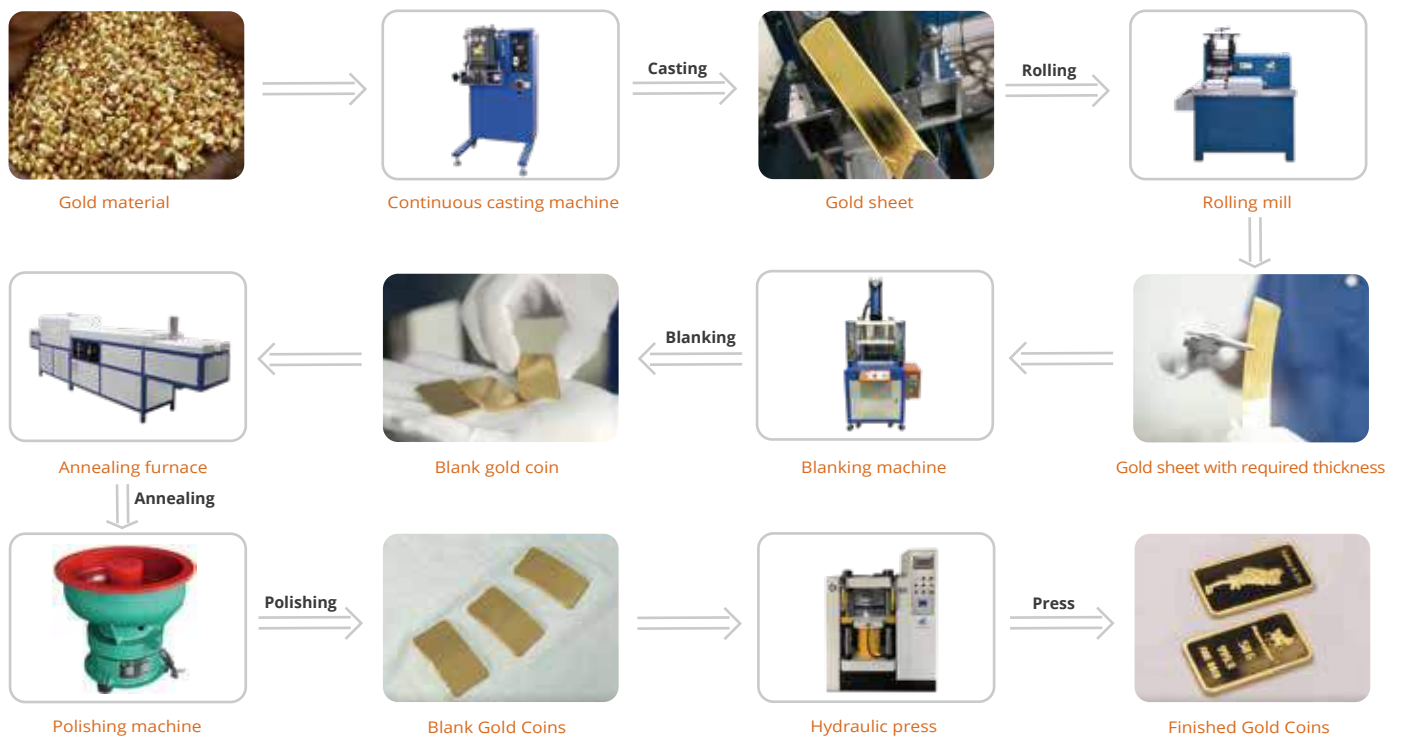


One-stop Coin Minting Line Solution Supplier

As a professional precious metal coin minting solution provider, SuperbMelt has built several coins making lines around the world. The coin weight ranges from 0.6g to 1kg gold with round, square, and octagon shapes. Other metals are also available like silver and copper.

SuperbMelt concentrates on solving the coin minting problems while offering step-by-step instructions on precious metals. For 10+ years we have been at the forefront of gold and silver coin making machines, we have a professional and meticulous engineering service, on-site training, and technical support.

Process



● Step 1: Make gold sheet

By continuous casting machine

The continuous casting machine manufactured by Superbmelt has excellent features of high efficiency, low wastage of precious metals, flexible operation, etc. The continuous casting machine is budget friendly and very easy to use.

The ease of use comes from the automatic control of the casting parameters that is able to produce different sizes of gold sheets within a short time.

This process is done with inert gas protection of the crucible and die system. The end result which is the gold sheet is usually a high density, bright surface and non-oxidized surface. The continuous casting machine is able to continuously stretch long gold sheets suitable for continuous production.



● Step 2: Rolling sheet to request thickness

By rolling machine

Superbmelt produces different types of rolling machines that give varying degrees of width and thickness to metals for different rolling requirements. All rolling machines are able to accurately control the thickness of rolling to meet unique needs. The rolling machine is able to customize the mirror effect of the drum so that the surface of the finished product is bright and the thickness is uniform. The uniform thickness of precious metal is achieved with the high hardness roller material present in the rolling machine.

The rolling machine can effectively roll different precious metals without excessive flash or losses. The rolling process is highly accurate and fast.

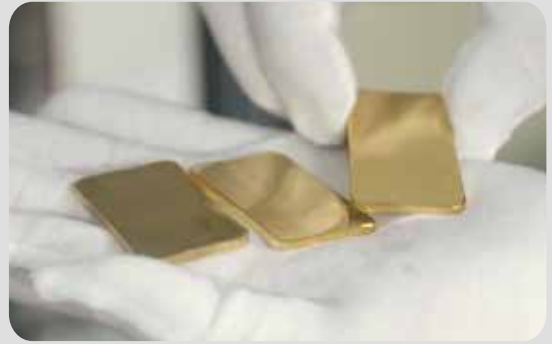
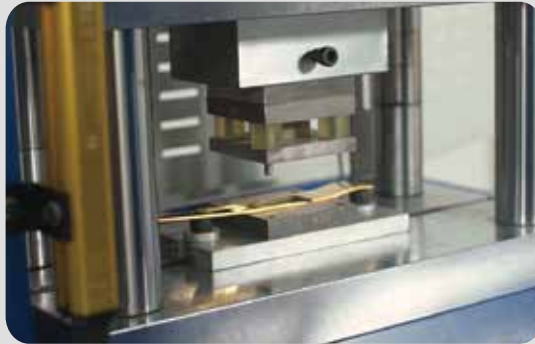


● Step 3: Punch the shape

By blanking machine

In order to adopt the four column and three plate structure, the planar accuracy of the movable plate fish table is always high. The four-axis precision linear has a self-lubricating guide sleeve that is easily controlled, which makes the vertical accuracy high as well.

The use of the blanking machine is easy. The pressure, stroke and closing height can easily be adjusted by pressing the process parameters. Many desired shapes can be achieved with the hydraulic punching machine. These shapes are precisely controlled by the blanking machine.



● Step 4: Annealing to make blank gold soft

By annealing furnace

The annealing furnace is highly equipped with high performance ammonia decomposition hydrogen system and a PID intelligence. The heating process of the annealing furnace is completed under the gas protection.

The temperature control has a 24-hour timer switch, this allows various metals to be quenched at the set temperature.

The annealing makes the precious metal coin become soft. The precious metal coin however will not oxidize or change colour. This therefore meets the proper processing standards.



Step 5: Polish the material

By polishing machine

The vibrating polishing machine is used to polish the blank gold or silver coin. This is done to achieve a blank gold coin with a brighter surface with no impurities.

The polishing machine provides a perfect quality semi-finished product for the last step of the minting process.



Step 6: Hydraulic press stamping pattern

By hydraulic press

Superbmelt's hydraulic coin press machine is made with a steel body that is hydraulically operated, designed specifically to mint gold and silver coins, medals and bars.

We provide hydraulic presses with a pressure ranging between 20 to 500 tons. The hydraulic press is suitable for pressing patterns on gold and silver coins of various sizes from 0.5g to 1kg.





www.superbmelt.com

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