



About Us

CMM is the leading professional designer and manufacturer for copper model tubes & plates. The copper models supplied by CMM adapt advanced European technology, Newaday, CMM is the largest copper models supplier and experts with more than 20% match advance in domestic match and \$% in the add match. We commit supply products with world class quality, compatible pice, finable payment terms, supply products with world class quality, compatible pice, finable payment terms, supply products with world class quality, compatible use, and going technical guadars to help and classifier and content match and the can also going technical guadars. Taking and classifier and content match and the can also going technical guadars. Taking and the supplement of the supplement of the supplement of the supplement equation from variance automenta allower the world.

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Main Products

Copper Mould Tubes



Copper Mould Plates



Specification of copper mould tubes

Shape items				Beam Blank
Size range	50x50~500x500	100x650-500x650	Φ90-Φ1200	
Length	700-1000			
Radius	R2500-R16000			
Internal geometries	parallel, single tapered, double tapered, multi-tapered, parabolic tapered			
Material	Cu-DHP (SF-Cu DIN1787), CuAg0.1,Cu-Cr-Zr			
Coating	Cr,Ni-Co-Cr			

"We can design as per the customer's specific requirements

Specification of copper mould plates

				Material		
plate type		Width		material		
Beam Blank	700~1016	280~480	80~140	CuCrZr,CuAg	Ni-Co,Ni-Fe	
Rectangular	700~1000	300-3800	30~65	CuCrZr,CuAg	Ni-Co,Ni-Fe	

Manufacture & Supply Capacity



CIMM copper moulds manufacturing plant is a completely integrated plant with coppacity more than 35000 pcs per year including copper melting and casting units, hot extrusion, hot and cold drawing machines, machining equipments, electric plating units and various inspection equipments. The fact of with the entire manufacturing process under our direct control can ensure our product quality also the delivery time.



- 1. 3000T vertical hydraulic press
- 2. 1250T horizontal hydraulic extrusion machine
- 3. DEG3+2 CNC machine center
- 4. 3T Vacuum copper melting furnace
- 5. Electric plating bath





Quality Assurance System

Production Process Control

- The physical and chemical index of raw material, accessories and process product is inspected by quality inspection department.
- Inspection of product appearance and dimension is composed of self-checking, next process cross-checking and quality inspection department supervising and checking.
- The production process index proceeds strictly as per production regulation and is controlled by PLC, meantime, PLC will feedback the process index situation to technical and quality inspection department for supervising, to putarities the product quality.

Quality System Control

- Management delegates and quality inspection department organize internal examine every year to supervise and check system running status.
- · Second party inspection is carried out by end user
- · Third party inspection is carried out by certification authority
- · Packing and logistic is farmed out to other companies, and strictly execute as per contract items.
- We have specific after-sale people to check our product performance and feedback the problems to us for improving.



Production Process Control

Material	Unit	Cu-DHP	Cu-Ag	CuCrZr
Chemial analysis	5	P 0.015-0.040	Ap 0.08-0.12 P 0.004-0.012	Cr 0.30~1.20 Zr 0.03~0.30
Physical properties				
Conductivity	%IACS	83	93	80
Thermal conductivity	w/mk	340	377	330
Coefficient of thermal expansion 20-300 °C	10 */k	17.7	17.7	18
Temperature for recrystallization	*C	350	370	700
Soften temperature	°C			500
Flexible modulus	10º N/mm ²	120	125	128
Mechanical properties				
RP 0.2	N/mm* AT20 °C 200 °C 350 °C 500 *C	285 250 195 30	275 245 190 30	350 335 296 185
Tensile strength	N/mm ² AT20 °C 200 °C 350 °C 500 °C	295 255 200 90	285 245 195 90	425 420 340 210
Prolongation rate A5	AT20 °C 200 °C 350 °C 500 °C	20 9 10 40	17 13 10 40	20 18 19 20
Hardness	HB 20 *C	90-105	85,100	130







Global Sales & Service Network

We have set up 30 branch companies and offices in 25 countries, granted nearly 100 authorized agents around the world, established service network composed of more than 100 websites, formed global marketing and service system.





Global reference

We had exported copper mould tubes/plates to various countries last decades such as Germany, Italy, Greece, Poland, Russia, Turkay, Brazi, Venezuela, Colombia, India, Thailand, Philippine, Egypt, Saudi Arabia, Syria, Pakistan, South Africa, etc.



Technology Advantage

- · We have established strategic relationship with the renowned CCM R&D institutes in China for technical collaboration.
- · We have an excellent design team which consists of more than 50 core engineers and designers. We have strong ability to develop products of various materials and sizes.



 We adopt Advanced Mould Machining Software TEBIS for programming to realize complete automatic machining for guaranteeing the process accuracy.



Others we can supply













1. Ladie and ladie car	7. Slab mould assembly
2. EMS	8. Segment
3. Tundish	9. Mould assembly
4. Water jacket	10. Withdrawal straightening machine
5. Oscillator	11. Ladle turret
6. Dummy bar and storage device	12. Torch cutting machine



Micro-EPC for CCM

CIMM is the leading professional continuous caster designer and manufacturer with technology know-how. We are professional in providing the best solutions to satisfy all the requirements of our customers. We are dedicated to help our customers all over the world get the best performance with the lowest cost.

Micro-EPC for entire continuous casting production line



Technical specification of continuous caster

	Description	Parameter
	Machine type	whole arc continuous caster
	Arc radius	4.5-16.5m continuously straightening
	Strands	1-10 (depend on the continuous casting process)
	Billet section	100X100mm-240X240mm, Ф110mm-Ф330mm, rectangular with any size
	Length of billet cut-to-length	3-12m
	Steel type	carbon steel, low alloy steel, high quality carbon steel, high alloy steel, stainless steel, bearing steel etc.
	Strand distance	1200-1500mm (depend on the continuous casting process)
Casting speed Dummy bar		0.5-3.6 m/min (depend on the continuous casting process)
		rigid, flexible
	Cooling type	whole water cooling, air and water atomization cooling
	Oscillation type	mechanical oscillation (semi board spring, whole board spring), hydraulic oscillation, sinusoidal oscillation, non-sinusoidal oscillation
	Billet cut-to-length type	infrared camera+torch cutting machine
	Straightening type	whole water cooling continuously straightening machine
	Cutting type	pneumatic synchro fastering, pneumatic return motorless automatic torch cutting machine, double transmission automatic torch cutting machine
	Roller bed	whole water cooling transporting roller bed



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COPPER MOULDS

For Better Continuous Casting Quality



Proven Technology Cost Effective Excellent Service

CIMM GROUP CO., LTD.