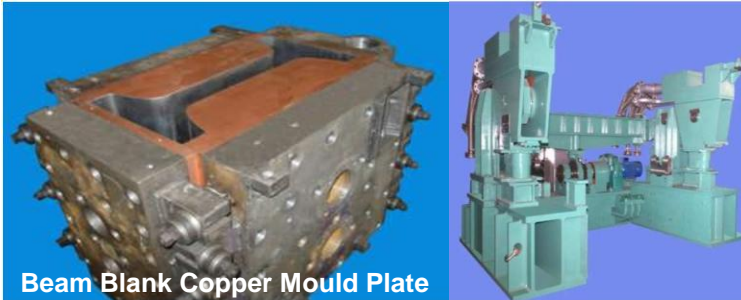


# DMC LLC

Casting, Supply & Services

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Engineering, Equipment Supply and  
Turnkey Casting Machine Design



Beam Blank Copper Mould Plate



Copper Mould Tubes & Plate

***Worldwide Engineering Services***

## INTRODUCTION

**DMC Casting Supply & Services, LLC, a MCKeown's Group company,** and its exclusive manufacturing partner Dalian Dashan Metallurgical Engineering Technology Co., Ltd is a leading design and manufacturing company that specializes in continuous casting Engineering, and crystallizer products, including billet and round copper tubes, bloom plates, mould assemblies, continuous casting machines and its spare parts.



Our products and services include:

- Total continuous casting engineering and design.
- Casting machine revamp
- All continuous casting component parts
- On site maintenance
- Parts fabrication and repair



In addition DMC Casting Supply & Services, LLC offers complete caster segment for casting machine.



## Copper Mould Tube

DMC Casting Supply & Services, LLC offers billet, bloom, and round copper mould tubes with taper and design tailored to the specific casting operations.

### Sizes

**Billet/Bloom:** 120mm x 850mm to 3600mm x 1000mm

**Round:**

**Material:** Cu-DHP, CuAg, CuCrZr.

**Coating:** Cr, NiCo, Alloy, Ceramic



### Typical analysis of the copper material

Material	Unit	Cu-DHP	Cu-Ag	CuCrZr
Chemical analysis	%	P 0.015~0.040	Cu 99.90 Ag 0.08~0.12 P 0.004~0.012	Cr 0.30~1.20 Zr 0.03~0.30
<b>Physical properties</b>				
Electric Conductivity	%IACS	83	93	80
Thermal conductivity	w/mk	340	377	330
coefficient of thermal expansion 20-300C	10 <sup>-6</sup> /k	17.7	17.7	18
Temperature for recrystallization	°C	350	370	700
Flexible modulus	103N/mm <sup>2</sup>	120	125	128
<b>Mechanical properties</b>				
Tensile strength	N/mm <sup>2</sup>			
	AT20 °C	295	285	425
Prolongation rate A5	%			
	AT20 °C	20	17	20
Hardness	HB 20 °C	90-105	85-100	130

## Mould Assembly

To offer billet, round, slab and net shape mould assemblies in various variety.

Slab Mould Assembly



Billet Mould Assembly



Electrolag Mould Assembly

Round Mould Assembly



## Other Components

To offer comprehensive spare parts for all different design casters, including but not limited to:



## Quality Assurance

As an international supplier of engineered products, DMC's partner, Dalian Dashan Metallurgical Engineering Technology Co., Ltd, conforms to ISO 9001 Quality Assurance Standards.

The quality control process for copper moulds and related products includes every step in the process of continuous casting machine part manufacture. All aspects of the manufacturing process are subject to a quality control program to ensure the "Best Engineered Spare Parts" that are offered.



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