



Casting System for copper

Upward Continuous Casting Line for Oxygen-Free Copper Rod



Hong Kong

Shanghai

The system is capable of producing directly from cathode copper bright and long oxygen-free copper rod, copper tube, flat copper bar and other special shaped copper material. The capacity of the system is from 8,000 to 10,000 tons annually, and the copper rod diameters will be 8mm, 14.4mm, 17mm, 20mm and 25mm. As compared with traditional mangler from copper ingot, this new up-ward continuous casting technology performs better for low production cost and no pollution.

SPECIFICATIONS OF THE MODELS OF THE UPWARD CONTINUOUS CASTING SYSTEM

Model	Casting strands	Rod dia. (mm)	Annual output (Ton)	Induction furnace	Copper feeding method	Consumption of Power (KW)
SL04-O	4	Φ14.4 Φ17 Φ20	1,000	Single furnace	In small pcs. by hand	80
SL06	6		2,000	Double furnaces	Can be equipped with the mechanical feeder system to arrange the whole piece of copper plate into furnace	150
SL06-B	6		3,000	combined		185
SL80	8		4,000-5,000	Triple furnaces combined		240
SL16-B	16		8,000-10,000	Triple big furnaces combined		480
SL04 08-O	4	Φ8	1,000	Single furnace		In small pcs. by hand
SL06-08	6		2,000	Double furnaces combined	Can be equipped with the mechanical feeder system to arrange the whole piece of copper plate into furnace	150
SL08 08-B	8		3,000	combined	185	
SL10 08	10		4,000-5,000	Triple furnaces combined	240	
SL16 08-B	16		8,000-10,000	Triple big furnaces combined	480	

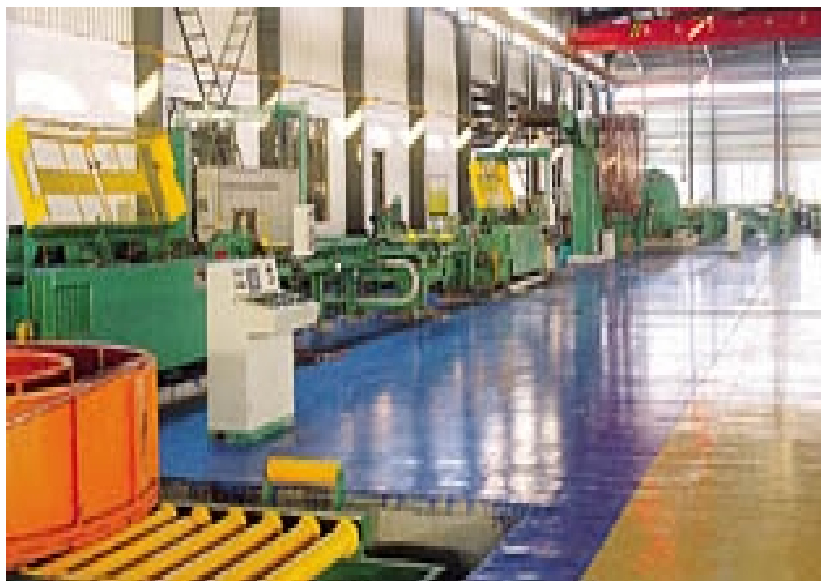


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Continuous Casting and Rolling Line for Scrap Copper

The system makes copper rod from first-grade scraped copper which is melted in the furnace, by continuous casting and rolling process.

- ◆ **The system inputs scrap copper as the raw material and produces low-oxygen copper rods with low cost and high quality.**
- ◆ **The continuous casting and rolling process ensures enhancement of the production efficiency.**



SPECIFICATIONS OF THE MODELS OF THE CASTING AND ROLLING LINE

Output rod dia. (mm)	Φ8
Production capacity (t/h)	10~12
Crystallizing wheel dia. (mm)	Φ1,800
Casting speed (m/min)	10~15.6
Max. output speed (m/min)	8.17
Main motor (kw)	315 (DC)
Take-up coil (O.D*I.D.*Height) (mm)	Φ1,800*Φ1,000*1,000

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