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**3000mt~8000mt upward casting machine with line frequency induction furnace**



The upcasting line is used to produce the 3000~8000tons long and bright oxygen-free copper rod. This unit is also apply to produce brass rod, copper strip, copper tube and so on.That adopts energy-saving furnace, temperature control paperless recorder, Auto Alarm Function and other information management methods. The furnace is combined furnace. The size of furnace can be adjusted according to the capacity.

**The Main Technology Parameter of 3000~8000Continuous Casting Machine**

Item	Data	
Model No	SYJ06*(08-30)-I3	SYJ(10-16)*(08-30)-I3
Raw Material	Copper cathode or copper scrap	Copper cathode or copper scrap
Annual capacity	3000 tons	5000~8000 tons
Furnace structure	3-body furnace (Combined furnace)	3-body furnace (Combined furnace)
Number of Servo motor	Single	Double
Casting rod diameter	Φ8mm~Φ30mm	Φ8mm~Φ30mm
Upward casting speed	2500mm/min	2500mm/min
Annual working time	7920h	7920h
Liquid tracking precision	±2mm	±2mm
Take-up coil standard	Φ800mm × Φ1500mm× 800mm	Φ800mm × Φ1500mm× 800mm
Copper melting power consumption	<350kwh/ton	<350kwh/ton
Take-up form	automatic adjust	automatic adjust
Take-up plate driven approach	inverter motor, PLC control	inverter motor, PLC control
Material feeding method	whole piece of electrolytic copper cathode fed by electric hoist	whole piece of electrolytic copper cathode fed by electric hoist
Upward driven approach	driven by the AC servo motor, transmission chain is driven by the gapless synchronous cog blet	driven by the AC servo motor, transmission chain is driven by the gapless synchronous cog blet
Rod clamping method	air clamping or manual clamping	air clamping or manual clamping
Operation interface	Large touch screen display and adjust	Large touch screen display and adjust