Products Details

Equipment Application

The finishing mill group is the extra-heavy top cross 45° high-speed wire rod finishing mills designed for the high-speed wire rod production line.

The finishing mill group is located in the high-speed wire rod workshop. Rolling by 10 unit rack continuous micro-tension rolling mill, rolling the Φ17~Φ21 mm of rolled piece transported from upstream into Φ5.5~Φ16 mm finished wire rod. The mill guaranteed exit speed is 90 m/s. (When the specification of finished product is Φ5.5 mm)

Technological Parameter

Incoming material specification: Φ17~21mm
Incoming material temperature: >850 ℃
Finished product specification: Φ5.5~14mm
Rolled steel type: carbon steel, low alloy steel, high alloy steel, high-quality carbon steel, structural steel
Exit speed of the tenth rack: 90 m/s

Product Show:
Equipment Performance

Mill form: cantilever roller ring rolling mill
Rack quantity: 10 stands (1~5 stands are Φ230 rolling mills, 6~10 stands are Φ170 rolling mill)
Arrangement form: top cross 45°, 10 stands combined drive
Roller ring size:
- Φ230 rolling mill: Φ228.34 ~ Φ205 x Φ126 x 72 mm
- Φ170 rolling mill: Φ170.66 ~ Φ153.5 x Φ95 x 62 mm
Rolling force:
- Φ230 rolling mill: 270 kN
- Φ170 rolling mill: 150 kN
Rolling torque:
- Φ230 rolling mill: 5.03 kNm
- Φ170 rolling mill: 1.38 kNm
Driving motor: motor
Power: 1600kW x 3 stands. Ac frequency conversion motor
Revolving speed: 700~1200 r/min
Working revolving speed: 900~1100 r/min
The unit lubrication way: thin oil lubrication
System oil pressure: 0.35~0.6 MPa
Total consumption: 1500 L/min
Mobil: 525
Cleanliness: 10μ
Roll cooling water: water pressure: 0.6 Mpa
Consumption: maximum 10 x 30m3/h
Guard hydraulic system: working pressure: 20 MPa
System flow: 35 l/min
Mounted roller working pressure: Max 25 MPa
Unload roller working pressure: Max 45 MPa
Attachment: Unload roller tool (Φ230) 1 set Mounted roller tool (Φ230) 1 set
Unload roller tool (Φ170) 1 set Mounted roller tool (Φ170) 1 set
Changing roller hydraulic pump 1 set
Unit composition: Φ230 rolling mill (5 stands), 170 rolling mill (5 stands), speed increasing box, large base, breakwater and capillary groove, buffer tank, protective cover, couplings, pipes of finishing train etc.

Factory Production:

Customer Visit:
Packaging:

Related Products:

Mill Stand Plant / Roughing Rilling
Hot Rolling Mill for Re-bar/Wire Rod/Section Mill
Section Rolling Mill/Structure Rod/Section Mill
Hot Rolling Mill Production Line

Hot Tags: Finishing Mill  Steel Rolling Mill  Finishing Rolling Mill  Steel Finishing Mill  Rolling Mill Plant