Electrode Making

Single/Double Deck High-speed Coater

Product Type

Equipment Type	Dimension (L*W*H)	Substrate width (mm)	Dryer	Heating mode
KC-SD-800-50.50-A.A	76000*6000*6000	650	50	Heat transfer oil/steam/Electric heating
KC-SD-1000-50.50-A.A	76000*6200*6000	850	50	Heat transfer oil/steam/Electric heating
KC-SD-1200-60.60-A.A	86000*6500*6000	1050	60	Heat transfer oil/steam/Electric heating
KC-SD-1400-60.60-A.A	86000*7000*8500	1250	60	Heat transfer oil/steam/Electric heating
KC-SD-1600-60.60-A.A	86000*7400*8500	1450	60	Heat transfer oil/steam/Electric heating

Coating product parameters	Parameter value
Coating method	Slot die
Coating width	MAX:1400mm
Coating speed	MAX:120m/min
Coating dimension accuracy	≤±0.3mm
Coating weight accuracy	±1%
Coating surface density	5-30mg/cm²
Substrate thickness	AL 9-20μm/Cu 4.5-20μm
Reel diameter/weight	MAX:Φ1200mm/3000kg

Equipment parameters	Parameter value
Mechanical speed	MAX:150m/min
Roller width	MAX:1600mm
Speed accuracy	≤0.05%
Coating roller circle run-out	≤1.5μm (Laser measurement)
Tension control range	30-500N/±2N
Dryer temperature	MAX:150°C/±2°C

Product Features

- **Intelligentization**
  - Closed-loop control of surface density
  - MES linkage
  - PC linkage
  - AGV linkage
  - CCD dimension closed-loop
  - Intelligent maintenance
  - Automatic cleaning of slot die
  - Modular bus control
- **Advanced Technology**
  - Compatible for both strip, cathode/anode electrode insulation coating process
  - Dual chamber slot die available for double-layer coating
  - Large-width substrate coating pre-cutting function (one divides into two)
- **Dryer**
  - Customized nozzle, air volume, air inlet and exhaust layout as per process
  - Steam, Heat transfer oil, infrared and other combined heating, featuring energy saving and high efficiency
  - Optimized design according to the simulation of wind and temperature field of dryer
  - Blast-proof safety design
- **Quality Monitoring**
  - Surface density measurement
  - Temperature measurement of electrode surface
  - Drive roller speed detection
  - NG marking
  - NMP concentration detection
  - Water content detection
  - CCD monitoring of dimension and appearance
  - Code scanning of incoming materials
- **Control of Copper, Metal Dust**
  - Copper, zinc and nickel free design where contacting slurry and electrode
  - Anti-metal friction design of the whole machine
  - Cutter dust removal
  - Iron removal and filtration of slurry
  - Hot air/fresh air filtration
  - FFU dust compartment
- **Key Components**
  - Brand guarantee
  - Patented structure design, extended service life and convenient maintenance
  - Some parts are self-made to ensure quality and delivery on schedule