Coating Solutions for Li-Ion Batteries
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Coating Equipment
Battery Electrodes
Coating Equipment

BC for Ni Foam Electrodes

- 0.2–2 m/min
- Roller width 400 mm  working width 300 mm
- Easy exchangeable coating module for high flexibility
- Unwinding station beneath for compact design
- Pre-calendaring station for controlled substrate thickness
- Electrically heated oven for easy use
- Integrated rotating cutter for precise sheet length
Coating Equipment

SC for Li Ion Electrodes

- 0.1–1 m/min
- **Roller width 150 mm  working width 100 mm**
- Compact design for direct use
- Four different easy exchangeable coating heads for highest flexibility
- Modular oven segments for optimizing size and process needs
- Tension control for smooth web path
- Eex layout for handling flammable solvents
IC for Ni Foam Electrodes

- 0.2–2 m/min
- **Roller width 400 mm  working width 350 mm**
- Pre-calendering station for controlled substrate thickness
- Enclosure of coating area for fully controlled atmosphere
- Oven with nitrogen environment
- Separately controlled oven segments for precise temperature profile
- Integrated calender for optimized material flow
- Integrated cutter for precise sheet length
Coating Equipment

BC for Li Ion Electrodes

- 0,2–2 m/min
- Roller width 400 mm  working width 300 mm
- Easy exchangeable coating module for high flexibility
- Registry for precise web pass
- Web guidance for exact transport
- Mechanical cleaning system to avoid debris
- Corona treatment to control adhesion of layer
- Tension control and drives for smooth web path
- Oven with nitrogen environment and IR boost
Coating Equipment

VC for Electrodes

- 0,5–5 m/min
- Roller width 600 mm working width 500 mm coating width 300 mm
- Double sided coating for optimized process
- Slot die and Foulard coating for high flexibility
- Hydraulic actuated Foulard for easy operation
- Edge and tension control for smooth web path
- Special oven design for optimal vertical drying
Coating Equipment

Production Line for Electrodes

- 1–10 m/min
- Roller width 800 mm  working width 700 mm
- Automatic splicing for continuous production
- In line calender for controlled web thickness
- In line scales for quality assurance
- In line longitudinal and lateral cut for high productivity
- Automatic pick and place storage for efficient logistics
Coating Equipment

40t Calender for Electrodes

- Up to 1,33 kN/mm @ 300 mm 0,1–10 m/min
- Roller width 400 mm  working width 300 mm
- Massive design for maximum stability
- Table for manual web positioning
- Scraper for cleaning rollers
- Hardened roller surface for long reliability
Coating Equipment

30t Calender for Electrodes

- Up to 1,5 kN/mm @ 200 mm 0,5–5 m/min
- Roller width 300 mm working width 200 mm
- Max 180 °C heated rollers
- Massive design for maximum stability
- Heated rollers for thermal web treatment
- Table for manual web positioning
- Scraper for cleaning rollers
- Touch panel for easy operation
- Hardened roller surface for long reliability
Coating Equipment

60t Calender for Electrodes

- Up to 1,7 kN/mm @ 350 mm  0,2–2 m/min
- Roller width 400 mm   working width 350 mm
- Massive design for maximum stability
- In line installation for high productivity
- Brushes for cleaning rollers
- Hardened roller surface for long reliability
Coating Equipment

30t Calender for Electrodes

✅ Up to 1 kN/mm @300 mm  0,2–3 m/min
✅ Roller width 400 mm  working width 300 mm
✅ Max 150 °C heated rollers
✅ Massive design for maximum stability
✅ Unwinding / rewinding for off line R2R process
✅ Heated rollers for thermal web treatment
✅ Brushes for cleaning rollers
✅ Touch panel for easy operation
✅ Hardened roller surface for long reliability
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