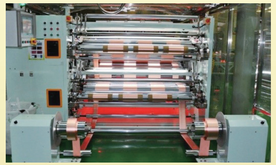
Specification of Equipment



Slitting

The equipment mainly cuts copper foil for lithium batteries. According to the needs of customers, it can be equipped with dust removal unit, detection unit and detachable dust removal unit

Name	General specification
Model	CBC-1650
Product	Electrolytic copper foil for lithium battery
Web thickness	4.0㎛ ~ 10㎛
Web width	500mm ~ 1500mm
Roll width	1650mm
Machine speed	Max.120m/min
Slitting width	250mm ~ 1450mm
Slitting unit	Bottom: Ring knife, Top: Disc knife, controlled by servo motor
Unwinding diameter	Max 800mm.(3000kg)
Rewinding diameter	Max 400mm.(350Kg)



Anode Roller Grinding Process

The equipment is to polish and grind the anode roller. It mainly includes grinding head, guide rail platform and numerical control lathe system

Name	General specification
Model	PVA-2000
Product	Anode roller
Anode roller diameter	Max.Ø3000
Lathe model	BOCHI Machine tool(6163B)

Contact Point for Counseling Turn-key Solution

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Printed in 2022. 06

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Copper Foil Turn-key Solution Provider PNT

http://www.epnt.co.kr



KOSDAQ

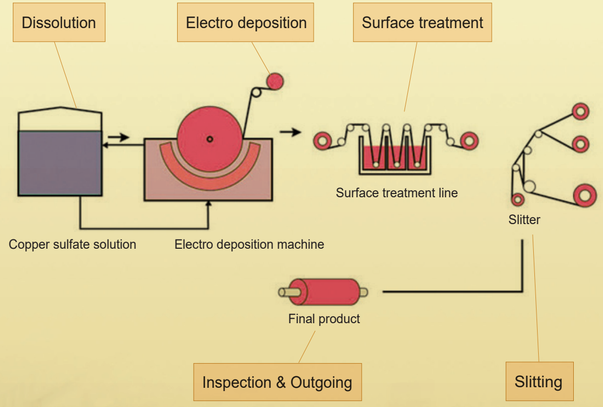
Copper foil Turn-key Solution Process

Total Management For All fields Of The Copper Foil For Lithium-Ion Battery



Introduction of Copper Foil Manufacturing Process

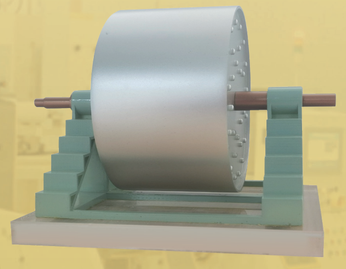
PNT supplies all of equipment for the copper foil manufacturing process.
PNT is capable of supplying “Turn-key” equipment that are delivered to customers in ready-to-use state, based on accumulated equipment manufacturing and know-how.





Dissolving System

Dissolving ⇒ Storage ⇒ Active Carbon Filter ⇒ Additive



Electro Deposition Drum

Diameter : Ø2700mm, Ø3000mm
Width : 1380mm ~ 1650mm

Specification of Equipment



Copper Foil Electro Deposition

The equipment is composed of electrolyzer, driving unit, current collector, anode plate, sealing and shielding, rinsing, liquid spraying, polishing unit, anti-oxidation unit, rewind, PLC. It mainly produces copper foil for lithium battery of more than 4.0㎛

Name	General specification
Unit type	PED-1650
Product	Lithium battery & PCB copper foil
Web thickness	4.0㎛ ~ 105㎛
Anode roller diameter	Max.Ø3000
Roll width	1650mm
Machine speed	1m/min ~ 12m/min
Electric current	Max 60KA
Sedimentation rate	≤52.8%



Auto Turret Surface Treatment

The equipment smooths and strengthens the wool foil produced by the rolling mill through the surface treatment processor. It mainly includes rewind, chemical tank, water washing tank, electroplating tank, silane tank, drying oven, etc.

Name	General specification
Model	PTM-1500
Product	Electrolytic & Calendered copper foil
Web thickness	9㎛ ~ 105㎛
Web width	Max.1380mm
Roll width	1500mm
Machine speed	Max.50m/min, Normal.35m/min