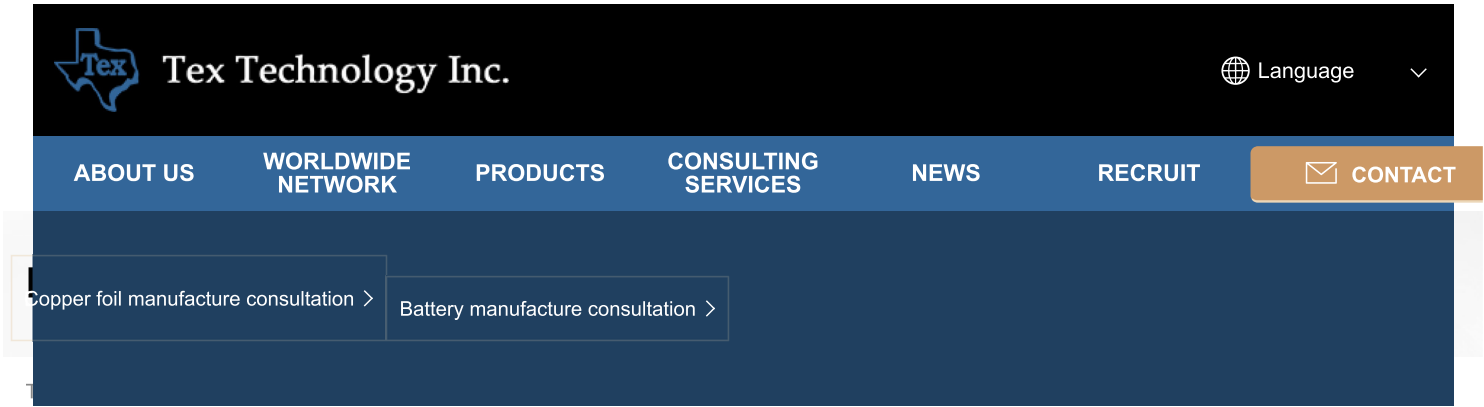
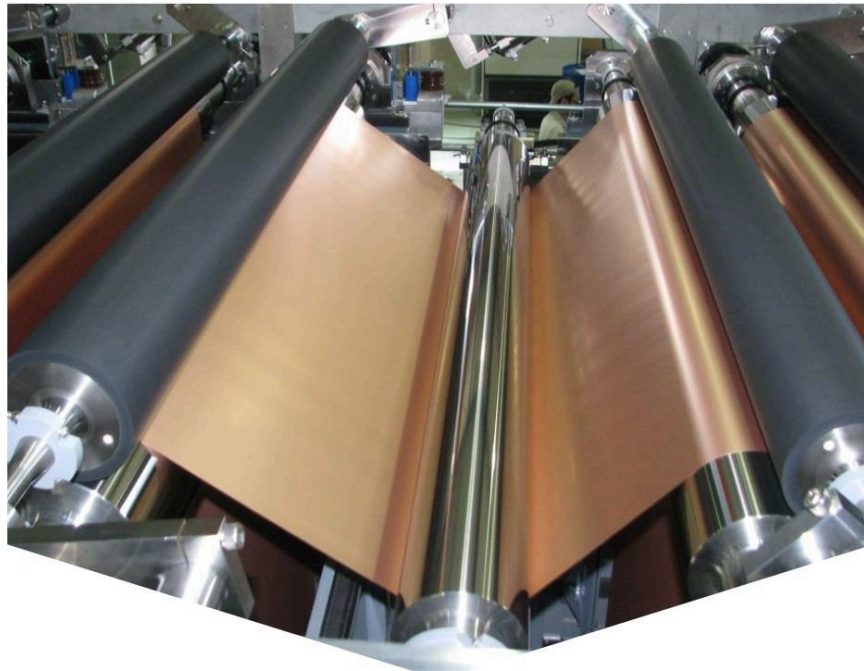




Electrodeposited copper foil manufacturing

We provide manufacturing equipment for high-quality rolled annealed copper foil and electrodeposited copper foil, which are indispensable materials for the rapidly evolving electronic, 5G and EV industries.



Copper foil is an indispensable material in the current electronic industry, first and foremost in the EV and 5G industries. As a result of recent rapid technological innovation, high-grade copper foil is in significant demand across various electronic industries. Applications of copper foil include conductive material for circuit boards, current collectors for lithium-ion batteries, and shielding material for displays.

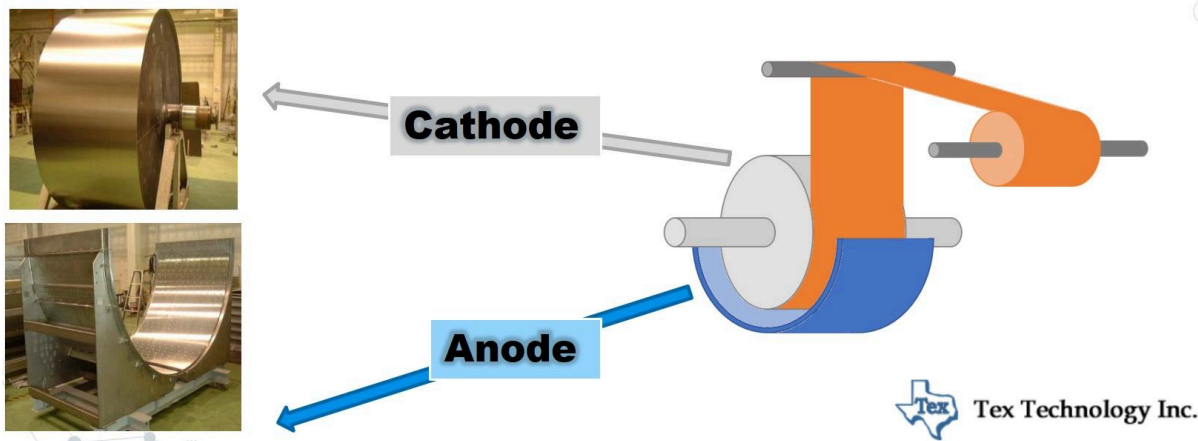
In recent years, electric vehicles have come under the spotlight due to a worldwide shift towards clean energy. The demand for copper foil is rapidly increasing since it is used in the lithium-ion battery, a critical component of electric vehicles.

Electrodeposited Copper Foil Applications

Copper foils are suitable for a range of applications, from PCB's to lithium-ion batteries. Electrodeposited copper foil is one of the most essential components in PCB's, as the conductive material of the printed circuit board, and also plays an important role as the anode material of the lithium-ion battery.

Electrodeposited Copper Foil Manufacturing Process

Electrodeposited copper foil is manufactured through the deposition of copper ions, onto the cathode drum via electrolysis. In Practice, the foil is produced through continuous rotation of the drum and simultaneous winding of the copper foil as it is released from the drum surface.



Electrodeposited Copper Foil Manufacturing Equipment

The cathode drum, anode plates, electrolytic bath and winding equipment are the most essential components for the production of copper foil. Tex Technology Inc. can supply all necessary equipment and raw materials for the whole production line of copper foil. More importantly, we also provide world-class technical consultation support in accordance to our clients' needs. Our service encompasses a comprehensive range of support including design and technical support for establishing new plants, as well as technical guidance for existing plants.

— Main equipment for the production line of copper foil

Electrodeposition machine	• Cathode Titanium Drum	• Polishing machine for the Drum
Treater machine	• Surface inspection system	• Slitter
Cutter	• Resolving system(tank)	• Piping system
Percolator	• Busbar(wiring)	• Rectifier(for ED)
Rectifier(for Treater)	• DC switch	• Inspection machine
Water treating system	• Concentration equipment	

— Main additives and consumables required in the copper foil manufacturing process:

Current collector oil	• Collagen / Gelatin	• MPS/SPS
Activated carbon	• Cellulose	• Orings and other sealing materials
Buffing		

— Description of our main equipment

Cathode Titanium Drum

Tex Technology Inc. is the exclusive distributor of the world's highest quality standard titanium drums manufactured by Newlong Akita Co., Ltd. The titanium drum is one of the most important equipment that determines the quality of the electrolytic copper foil during the manufacturing process.

Anode Plate/Bath and Other Copper Foil Manufacturing Equipment

We provide high quality DSA Anode cells and ED machines produced through collaboration between Newlong Akita Co., Ltd., and De Nora Permelec, which has a remarkable record and market share in anode plates. With the booming lithium battery market, these products are highly valued as outstanding copper foil manufacturing equipment.

Surface Treater

Our Surface Treater is the plating line that conducts surface treatment of copper foil. It is essential equipment for the manufacture of copper foil used in printed circuit boards. Incorporating the know-how we have accumulated over the years, as well as the valuable support from our technical consultants, we are able to provide high value-added ultra-thin foil surface treatment.



Tex Technology Inc.

6th FL, KONKO Bldg. 1-1-16, Kandaizumicho,
Chiyoda-ku, Tokyo, 101-0024, Japan
TEL: +81-3-6774-7525
contact@textech.co.jp



CONTACT

ABOUT US

- Company Introduction & Vision
- Message from our CEO
- Meet our Team

PRODUCTS

- Electrodeposited copper foil
- Rolled annealed copper foil
- Li-Ion Battery
- Film
- Others

CONSULTING SERVICES

- Copper foil manufacture consultation
- Battery manufacture consultation

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