

Copper Foil Electrodeposition

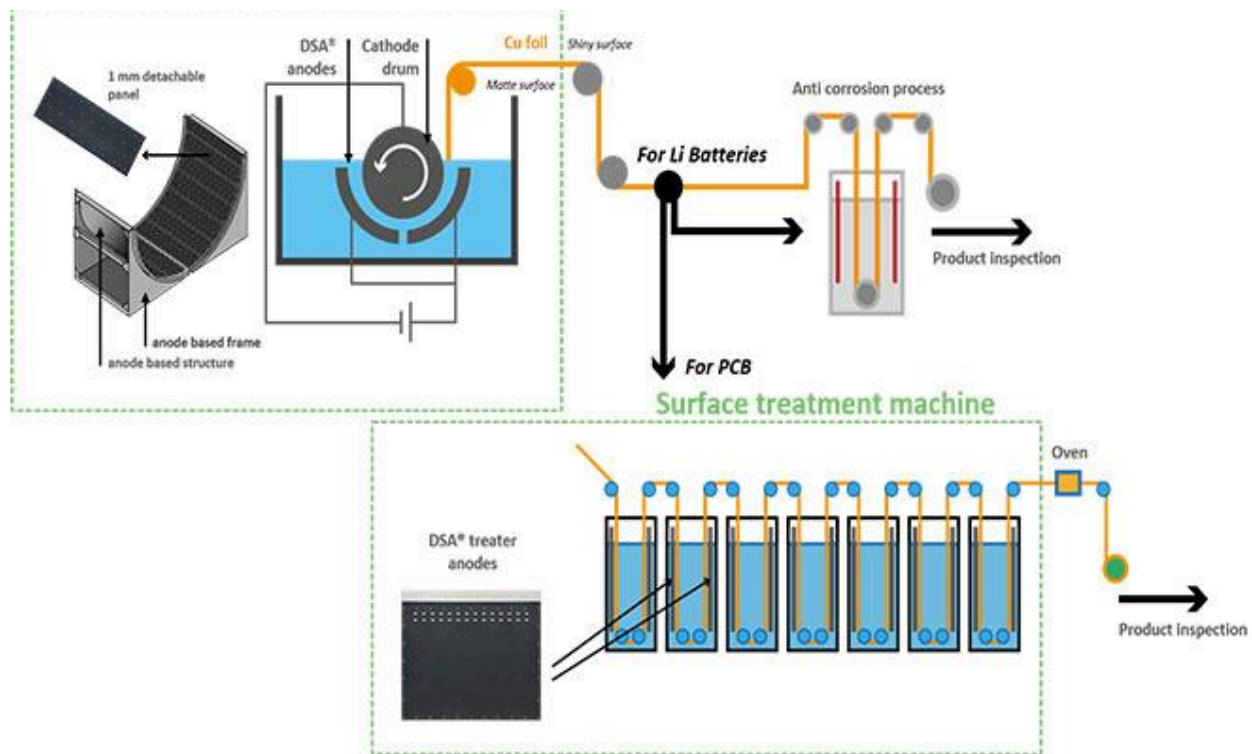
Leading electrode business with reliable products and development capabilities



With nearly a century of experience, De Nora can support the copper foil manufacturing industry with **electrodeposition cell design** and **electrolytic process optimization**, allowing them to operate at a very reduced electrodes gap, and to produce **ultra-thin copper foil**.

We offer:

- Patented anode technologies for all electrodeposition cell designs: detachable panels, based structures, and supporting frames.
- DSA® anodes for electrochemical surface treatment of metal foil, to provide the final product attributes
- Highest level of field service and maintenance agreement for anodes refurbishment, recoating, repair, refreshing service for lead removal
- Customized offers, including leasing contracts and periodic monitoring of anodes performance



In addition to all of the above, we offer collaboration and partnership:

technical assistance and De Nora laboratories collaborate with metal foil companies to optimize operating conditions or qualify new additives influencing anode performances, and to develop innovative electrolytic coatings able to achieve the most challenging requirements in terms of surface morphology and internal structure.

Discover more about our technologies

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Our insoluble anodes allow operation under varied operating conditions to produce a **full range of quality foils and thickness** (including ultra-thin foil), covering many applications:

- PCBs manufacturing, largely diffused in all the electric and electronics equipment we generally use in our daily life
- as negative current collector for lithium batteries that find application in smartphones, notebooks, personal computers and electric vehicles

Related Applications

Electronics

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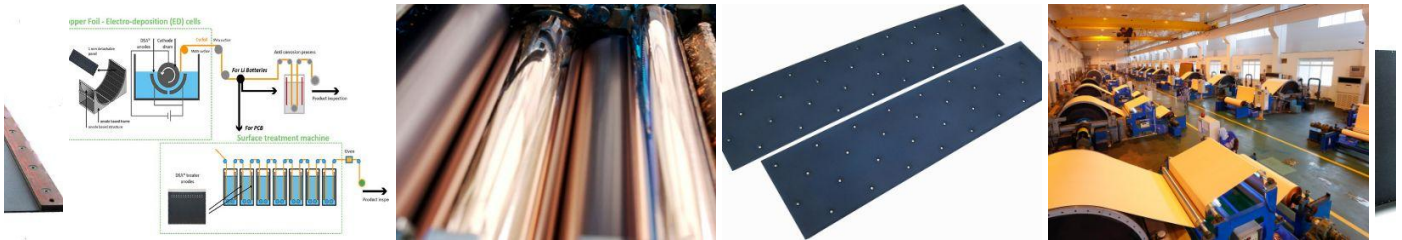
Printed Circuit Board Production

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Are you interested in learning more about electrode technologies?
Watch the full DECODE series on our YouTube page.

Photo Gallery



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