

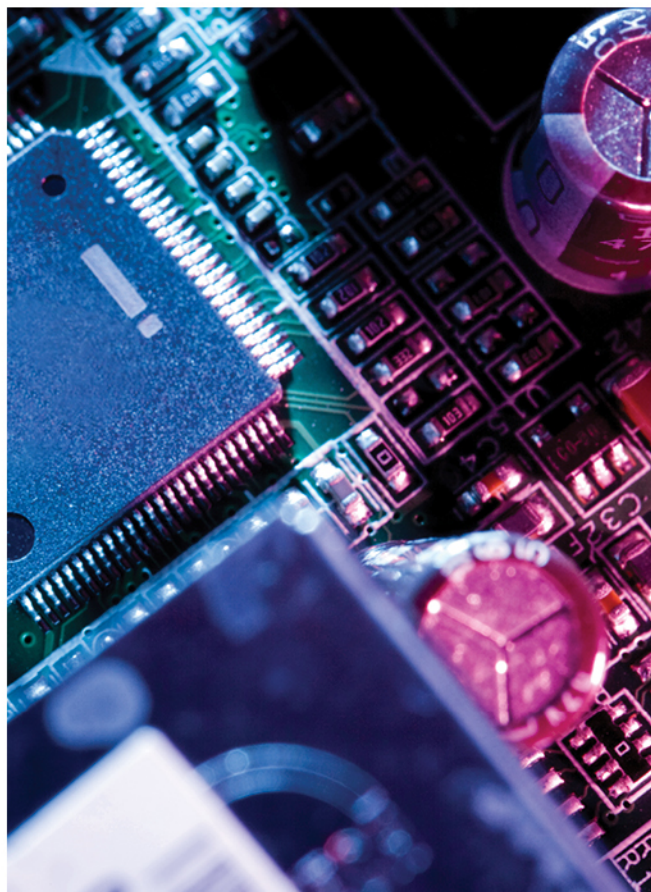
INSOLUBLE ANODE FOR PCB ELECTROPLATING

Printed Circuit Board (PCB; Printed Circuit Board) refers to a board comprising electronic circuits by fixing electronic components such as capacitors and integrated circuits to the surface of the printed wiring board and connecting the area between the components with copper wiring.

The process of imparting electrical conductivity through thin coating of tin, nickel, gold and others on electronic components is used in the PCB (Printed Circuit Board) industry. The anode for PCB electroplating has evolved from a soluble electrode to an insoluble anode. Among them, IrO₂ anode is the main product among insoluble anodes and is also the best in terms of performance.

Wesco Electrode Co., Ltd. can supply electrodes for electroplating applicable to this process, that is, insoluble anodes for oxygen generation. The electrodes for oxygen generation work by generating O₂ in the electrolysis process using a special anode in inorganic acids such as sulfuric acid and acetic acid, and some organic acids and aqueous solution with salt.

The long experience and know-how in the electrochemical field allow Wesco Electrode Co., Ltd. to apply Catalytic Coating Solution to various types of titanium materials such as plate, mesh, bar, and pipe according to customer requirements. We provide products that can meet the needs of our customers and actively cooperate for technical support.



+ Application

Area	Pt / Ti Anode	IrO ₂ Anode
● Copper Foil Production		✓
● FCCL Production (Flexible Copper Clad Laminate)		✓
● Reel-to-reel Plating	✓	✓
● PCB Electroplating	✓	✓
● Wafer Electroplating	✓	✓

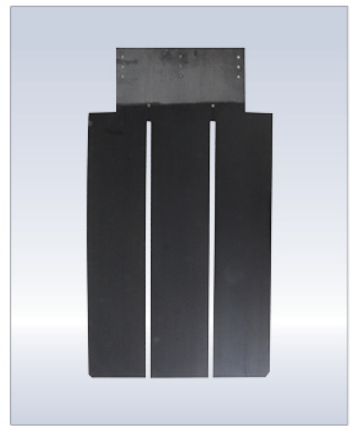
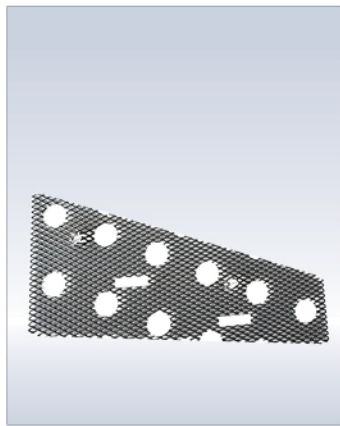
WESCO

Founded in 1993 for the purpose of manufacturing and supplying insoluble anodes, Wookyoung Electrolysis Systems Co., Ltd. has developed titanium anodes and electrochemical technologies that can be applied to various industries. Based on the company-affiliated research center, we hold a number of patents. In 2016, we were reborn as a global partner in the electrochemical field based on excellent reliability and service with a new mission of Wesco Electrode Co., Ltd

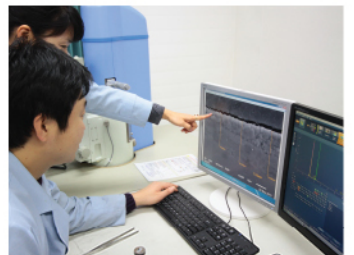
Wesco
ELECTRODE

+ Feature & Benefits

- Various shapes of titanium insoluble anodes optimized for the environment
- Electrodes with stable performance and long life
- Anode cleaning, re-coating, and repair services to remove impurities adhering to the used electrode
- Development of an optimized coating solution to meet the performance and requirements of the anode
- Cathode drum fastening base and titanium fastening parts
- Technical support and partnership cooperation based on company-affiliated research center



+ Competitive Advantages



Reliable Support

Technical support and partnership cooperation based on top-notch experiments, quality measurement equipment and outstanding R&D performance

Advanced Technology

Technical support and partnership cooperation based on top-notch experiments, quality measurement equipment and outstanding R&D performance

Custom Solution

Technical support and partnership cooperation based on top-notch experiments, quality measurement equipment and outstanding R&D performance

Rapid Response

Putting experts with core technical capabilities based on the technology and experience in the field of electrochemistry accumulated over the years

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