



Iridium Oxide Coated Titanium Anode

Iridium Coated Titanium Anode consists of the pure titanium substrate and active coating ($\text{IrO}_2 + \text{Ta}_2\text{O}_5 + \text{X}$). The metal substrate plays the role of skeleton and conductivity, while the active coating participates in the electrochemical reaction.

To suitable various application area, the anodes can be supplied in different forms as mesh, rod, sheet, perforated plate, wire, etc. Iridium Oxide coated Titanium Anodes are generally used in acidic environments such as foil production, electroplating, electrowinning, electro dialysis, metal surface treatment, etc.

YUXI produces high performance Iridium Coated Titanium Anodes strictly following applicable ASTM testing standards. We can also produce customized materials for commercial and research applications and new proprietary technologies.

Office: +86(574)8388 2233

Dongxi, Xinqiao, Xiangshan
Ningbo 315725, P.R.China

info@yuxi-anode.com

www.yuxi-anode.com

APPLICATION

- ▶ Chrome plating
- ▶ Foil production
- ▶ Electroplating
- ▶ Electrowinning
- ▶ HHO Generator
- ▶ Electrodialysis



FEATURES

- ▶ Long-term stability (both mechanically and chemically)
- ▶ Good electrocatalytic properties
- ▶ High surface area
- ▶ High electrical conductivity
- ▶ Superior corrosion resistance
- ▶ Uniform current distribution

SPECIFICATIONS

Anode Type	Iridium Oxide Coated Titanium Anode
Material	Gr1 Titanium as substrate, mmo as coating
Coating types	$\text{IrO}_2 + \text{Ta}_2\text{O}_5 + \text{X}$
Dimension & Shape	Plate, mesh, rod or customized
Noble metal content	8 – 25g/m ²
Working Parameter	Current density $\leq 15,000\text{A/m}^2$ PH 1~12 Concentration Range of H_2SO_4 <60% Fluoride ion content <50mg/L Temperature <80°C