



## Ruthenium Oxide Coated Titanium Anode

Ruthenium Coated Titanium Anode consists of the titanium substrate and active coating ( $\text{RuO}_2$  /  $\text{RuO}_2\text{-IrO}_2$  ).

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. Ruthenium Oxide coated Titanium Anodes are generally used in electroplating, water treatment, and other electronic applications.

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

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# APPLICATION

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- ▶ Caustic soda production
- ▶ Caustic potash production
- ▶ Sodium chlorate production
- ▶ Sodium Hypochlorite production
- ▶ Cobalt production
- ▶ Nickel production
- ▶ Electrolysing decontamination
- ▶ Seawater treatment



# FEATURES

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- ▶ Long-term stability ( both mechanically and chemically )
- ▶ Good electrocatalytic properties
- ▶ High surface area
- ▶ High electrical conductivity
- ▶ Minimal trapping of gas bubbles
- ▶ Long working life
- ▶ Low chlorine evolution potential

# SPECIFICATIONS

<b>Anode Type</b>	Ruthenium Oxide Coated Titanium Anode
<b>Material</b>	Gr1 Titanium as substrate, mmo as coating
<b>Coating Type</b>	$\text{RuO}_2 / \text{RuO}_2\text{-IrO}_2$
<b>Dimension &amp; Shape</b>	Plate, mesh, rod or customized
<b>Noble metal content</b>	8– 25g/m <sup>2</sup>
<b>Working Parameter</b>	Current density $\leq 2000\text{A/M}^2$ PH 1~12 Max content of Fluoride ion is 200PPM