

TiTaN was established in the year 1981 by an Eminent Scientist, Electro chemist turned entrepreneur Dr. R. Thangappan with a primary objective of serving the Electrolytic industry by offering the then developed State-of-art commercially comparable Metal Anodes.

The Dimensional stability of these Metal Anodes coupled with possibility of reticulated geometry enables ready gas disengagement from the active surface thus drastically reducing cell voltage and faradic efficiency losses caused by bubble effect unlike in a Graphite Electrode

#### Substrate Materials

- › Nickel
- › Titanium

#### Types Offered

- Membrane Cell Anodes ◀
  - Louver Anodes
  - Mesh Type Anodes
- Mercury Cell Anodes ◀
  - Mesh Bed Anodes
  - Strip Type Anodes
  - Finger Type Anodes
- Diaphragm Cell Anodes ◀
  - Box Type Anodes

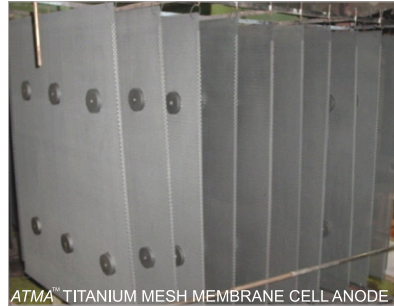
#### Process

- › Thermal Decomposition

**ATMA<sup>®</sup>**  
Electrodes & Anodes



ATMA™ LOUVER TYPE MEMBRANE CELL ANODE



ATMA™ TITANIUM MESH MEMBRANE CELL ANODE



ATMA™ LOUVER TYPE MEMBRANE CELL ANODE

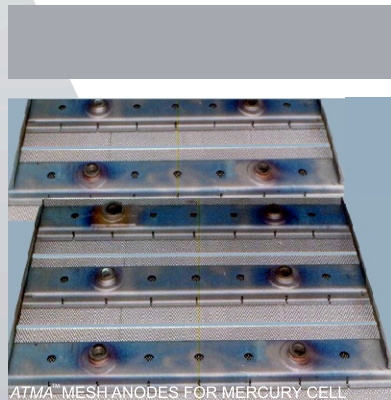


We Undertake  
Repair &  
Refurbishment

Engineering Excellence In Electrochemistry

**Titanium Tantalum Products Limited**  
Estd. In 1981 ISO 9001 - 2008 Certified U, U2 & R Stamp Approved

**C H L O R A L K A L I A N O D E S**



ATMA™ MESH ANODES FOR MERCURY CELL

#### Salient Features

- › TiTaN is unique in offering any geometry of anode for every application.
- › TiTaN proprietary Electrode coating offers longer life of Electrolytic coating
- › TiTaN offers unparalleled service in retrofitting new electrode for any existing process
- › TiTaN designs, manufactures and supplies replacement for existing Graphite electrodes

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