

Doing more with less

Ultra long life

Titanium base can be recycled
(recoat/lead)

Because discharging side is titanium, it can decrease sludge

Titanium-Lead Electrode

Low sludge & renewable anode for chrome plating

For chrome palting, especially high speed chrome plating (HSCP).

less sludge, MAX productivity

titanium + lead alloy clad,
ultimate low pollution anode for chrome plating.

■ Sludge treatment trouble

Today, for environmental concern, we have been striving to reduce hexavalent chrome and lead anode but it is still very difficult problem particularly in hard chrome plating. As long as it is used lead alloy anode, you must remove deposited sludge from the tank. SPF proposes best solution to minimize sludge occurrence.

■ Advantage of backside titanium

Sludge usually fall off the anode when it turn off electricity(at night and no-business day). Thus, if it makes minimize sludge to fall off the anode during off time and also the anode can keep long life, those mean the best way to use.



■ Good current efficiency

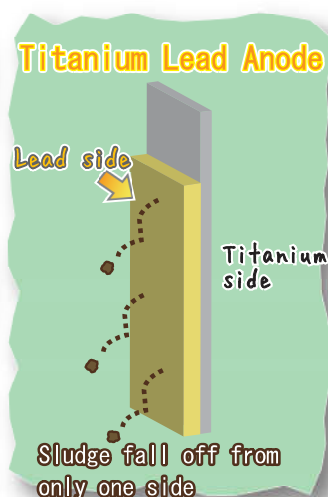
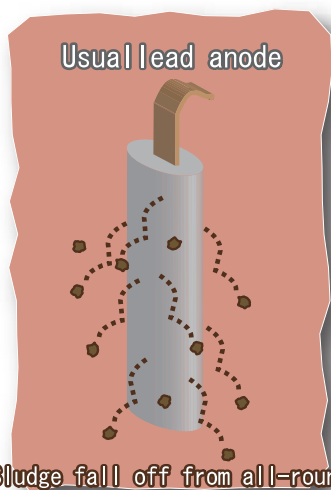
The titanium support structure provides the mechanical rigidity, but will not pass any current. This titanium-lead anodes can control current direction and also cut stray current.

■ Recyclable titanium base material

Titanium is costly metal and also absolute supply decrease because many industries use titanium for various products. This anode can be recoat only lead part, thus high emphasis is put on the reduction of lead sludge, maintenance cost and environmental concern.

■ Combine with titanium-platinum anode

By use titanium-platinum anode for main anode and this anode for maintenance of hexavalent chrome, it holds much occurrence of sludge. Please ask us about detail.



SPF's titanium-lead anode solves these problems by unique cladding method. That's why this anode realizes ultra long life.