

SERFILCO® CASE HISTORY

ZINC PLATING

Trouble-free filtration of acid chloride zinc at Bellwood Industrial, Inc.

High production plating of acid zinc on tubular and structural frames was resulting in large residuals of precipitated iron for Bellwood Industrial, Inc., Chicago, IL.

The accumulated iron hydroxide in the plating tanks was causing surface roughness and an unacceptable rate of costly rejects. In addition, extra filter cleaning and constant laboratory analysis increased labor costs.

The company found the answer to their problems with the installation, in late 1994, of two SERFILCO Titan-90 Permanent Media Automatic Backwash Filter systems, one each on two separate plating lines.

A Model T-90-P60A installed on a 2,400 gallon tank is rated at 3,600 gallons per hour and turns the tank 1.5 times per hour. A Model T-90-P200A rated at 12,000 gallons per hour was installed on a 7,900 gallon tank and turns the bath at a little over 1.5 times per hour.

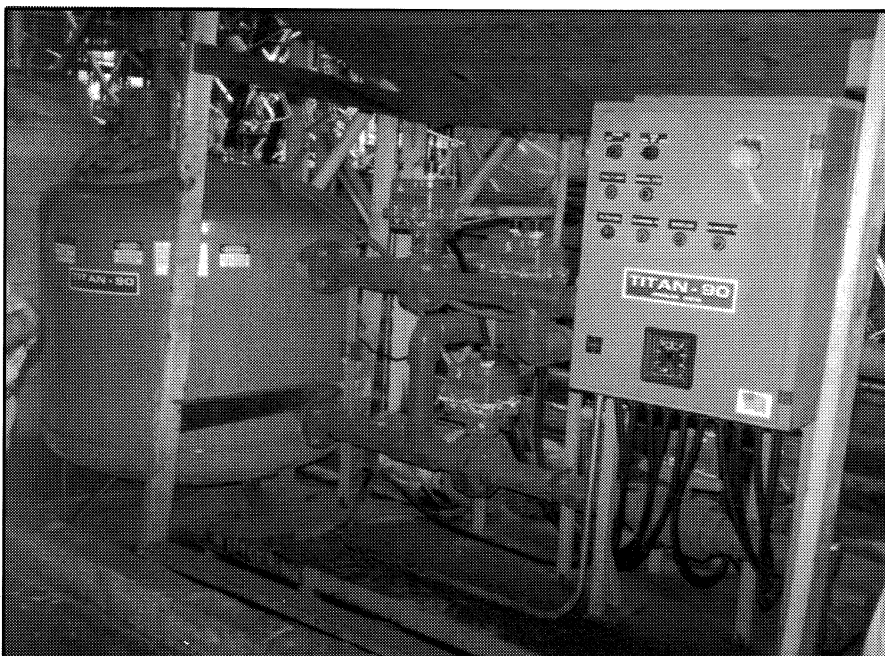
The TITAN units provide continuous high flow filtration, maintaining a high purity bath for reject-free plating. Jerry Cychos, the owner, reports that "in all my years of plating, SERFILCO's TITAN-90 system is one of the most reliable, trouble-free products ever used in this shop."

With no consumable media to replace, the filters require little or no attention since the computer controls on each unit automatically initiate the backwash cycle about once per week. Together, the filters consume a total of only about 750 gallons of water per week for the backwash cycle.

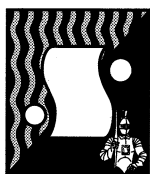
The backwash water is plumbed to the waste treatment system where it is easily processed to remove the accumulated iron hydroxide. Bellwood uses a MacDermid acid zinc brightener system. Consistently low iron content of the bath is evidence of the ability of the TITAN-90 to effectively remove iron hydroxide.

***The results . . .
higher quality plating at lower cost;
satisfied, repeat customers —
and . . .
another TITAN-90 success story!***

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