

maximum recovery ~ simple package ~ proven reliability

NickelPur™

Obtain maximum nickel salt recovery, maximum cost reduction and maximum quality consistency with Eco-Tec's nickel recovery unit, NickelPur™.

What is the NickelPur™?

Eco-Tec's nickel recovery unit with maximum recovery efficiency utilizes the next generation of ion exchange with compressed-bed, counter-current technology. With the consistent philosophy of a simple package with proven reliability, the NickelPur™ recovers over 95% of nickel dragged into rinses.

Why use a NickelPur™?

"Nickel drag-out" is a normal operational occurrence during the electroplating process that normally results in nickel loss and additions to sludge compounds. Operational costs related to both the replenishment of the nickel, and sludge waste disposal can seriously impact an operations efficiency. The NickelPur™ is specifically designed and manufactured to assist companies in their efforts to increase efficiencies, and lower waste and operating costs.



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| Features | Benefits | Impacts |
|--|--|--|
| Short bed height and small resin volume | Small equipment size with easy maintenance | Maximum recovery efficiency Lower operating costs |
| Counter-current regeneration | Efficient resin Effective resin rinsing | High purity, concentration, and pH control High productivity and quality Over 95% recovery with less waste |
| Pre-assembled, skid mounted | Easy installation | Reduced installation labor, and capital costs |
| Fully automated with full factory pretesting | Fast installation Consistent operation | Reduced operating and installation costs |

NickelPur™

- Uses deionized water for rinsing to avoid recovery of tap water contaminants
- Does not recover brighteners from rinses, allowing nickel salts to be recycled back to semi-bright tanks
- Rejects sodium from rinse water to prevent build-up in the plating tank
- Recovers nickel salt in the correct sulfate/chloride ratio
- Removes acid from the recovered nickel salts to ensure bath pH is not affected



Contact Eco-Tec For More Details.

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