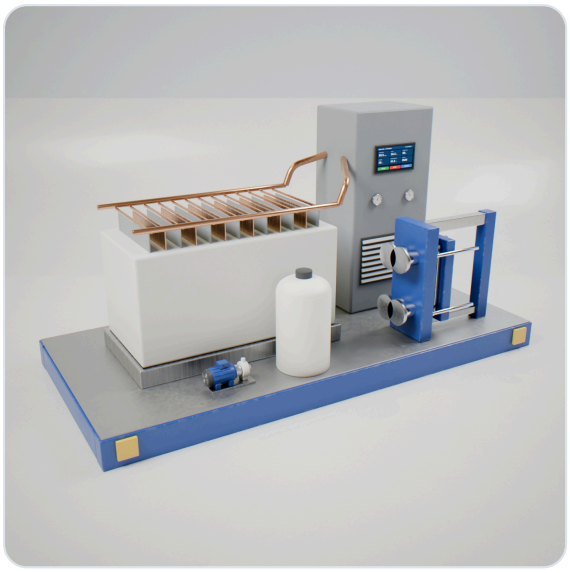
PRODUCT DATASHEET

Electrowinning Cell and Rectifier Skid

Electrowinning and electrorefining cells with rectifier and electrolyte circulation

Product page





Close-up: cell bank, busbars and rectifier

OVERVIEW

The Tech Inc. Electrowinning Cell and Rectifier Skid recovers metal from solution as cathode metal. Electrolyte from the leach and extraction steps flows through polypropylene cells holding anodes and cathodes; a rectifier drives the current that plates metal onto the cathodes, and a circulation and heating system keeps the electrolyte at the right temperature and composition.

TYPICAL DESIGN DATA

Current	About 100 to 2,000 A
Cells	Polypropylene, FRP or lined steel
Electrodes	Stainless or titanium cathodes; anodes to suit
Codes and standards	Electrical to IEC 60204-1 and IEC 61439 for the rectifier assembly
Electrolyte	Circulated and heated, to about 60 °C
Control	Current density, voltage and temperature logged
Safety	Fume extraction and insulated busbars

MODELS AND CAPACITIES

- **TI-EWC-100** – about 100 A
- **TI-EWC-2K** – about 2,000 A
- **TI-EWC-500** – about 500 A
- **TI-EWC-PM** – precious-metal cell

Indicative rectifier rating.

ORDERING CODE

Example **TI-EWC-500-PM**: **500** rectifier rating, A; **PM** type: PM precious metal, CU copper, NI nickel–cobalt.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: extra cells; cathode stripping machine; online electrolyte analysis; installation.

KEY ADVANTAGES

- **Complete** – cells, rectifier and circulation
- **Logged** – current, voltage, temperature
- **Right materials** – PP, FRP, titanium
- **Safe** – fume extraction

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