

This laboratory electrowinning pilot plant was designed and manufactured by SX Kinetics for a project to recover zinc from EAF (electric arc furnace) dust.



Project: sxk-65

Client: Immanuel Technological Solutions

Location: Mississauga, ON, Canada

Capacity: 180 g Zinc per hour

Cathodes: 4

Anodes: 5

Rectifier: 0 to 300 amps, 0 to 6 volts

Items Provided:

- Electrowinning cell with electrolyte distribution manifold
- Anode diaphragm boxes and anode diaphragm bags
- Stainless steel cathodes with edge strips and lead calcium tin alloy anodes
- Rich and lean electrolyte tanks with electrolyte feed and circulation pumps
- Rectifier with constant regulation of current or voltage output
- Completely assembled and tested prior to shipment

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