



# Allglass Australia Electrowinning Equipment

Allglass Australia began manufacturing polypropylene electrowinning cells from its factory in Perth, Western Australia in 1992. Since then we have firmly established ourselves as the leading supplier of electrowinning equipment in the region, having now supplied cells and associated equipment to over 80 gold and silver projects throughout Australia and overseas.

Our applications have included;

- Rapu Rapu Project, Philippines
- Chirano Gold Project, West Africa
- Boroo Gold Project, Mongolia
- Geita gold mine, Tanzania
- Paddington Gold, Australia
- St, Ives Gold Mine, Australia
- Carosue Dam Project, Australia
- Lepanto Gold Mine, Philippines

The Allglass cell design operates at recovery efficiencies of up to 99% in one pass and can operate with eluate derived from either AARL or ZADRA elution systems. The Allglass polypropylene electrowinning cell is renowned for its reliability and minimum maintenance requirements, quality of manufacture and also for its competitive pricing.



The standard Allglass electrowinning cell range is comprised of cell sections to suit 600x600 mm, 800x800 mm & 1000x1000 mm anode/cathode sizes. The most common cell size is 1500 mm long based on 10 Anodes and 9 Cathodes. Cell configurations are available with up to 19 or more anodes and with either flat, V or sloping bottoms to suit the individual application. Allglass welcomes the opportunity to work with clients to manufacture customer cell concepts using non-standard size, materials or design details.

Allglass manufactures acid resistant fume extraction systems which are designed to work in conjunction with the electrowinning cells. The Allglass fume extraction fan is designed with the motor located outside of the corrosive exhaust flow, leading to longer life and reduced maintenance.



Advantages of the Allglass cell include;

- The Allglass cell represents the standard in the industry and is widely accepted and proven in gold/silver electrowinning applications
- High recovery efficiencies of up to 99% and typical barren solutions of < 3ppm
- The polypropylene cell is chemically inert and non-conductive and has superior inherent safety characteristics to rubber lined stainless alternatives
- A patented saw tooth cathode frame configuration provides optimum conductivity between the stainless steel stocking or steel wool and the cathode frame
- Anodes & cathodes can be readily accessed and removed
- Polypropylene cathode baskets retain the SS stocking or steel wool so as to avoid any opportunity for shorting between the cathode stocking/wool and the SS anode mesh
- The Allglass cell is packaged with an Allglass rectifier and fume extraction system to provide a total solution
- Reliable supply of spare parts and consumables for all cells
- Allglass Australia is quality certified to ISO 9001.



## Allglass Australia

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