

Established in 2011, Metallurgy Pty Ltd has developed an extensive list of local and international clients, who have used Metallurgy for their sighter, bench-scale testwork all the way up to bankable feasibility testwork and pilot operation.



Contact Us

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Quality Metallurgical Testwork

Sample Preparation

- Crushing:
 - Jaw
 - Cone
 - Rolls
 - Vertical Shaft Impact
- Screening:
 - 200/450mm Screens
 - Wet & Dry Screening
 - Continuous Kason Screening
- Particle Sizing:
 - Laser Sizer
 - Cyclosizing
- Sample Splitting:
 - Riffle Splitters
 - Rotary Sample Dividers
- Scrubber & Trommel
- Filter Presses, Plate & Frame Filters

Comminution

- Continuous Pilot Milling:
 - Rod Mills
 - Ball Mills
 - Ultrafine Grinding Mill
- UCS Testing
- JK Drop Weight Tester (SMC)
- Bond Abrasion Index (BAi)
- Crushing Work Index (CWi)
- Bond Rod Work Index (RWi)
- Bond Ball Work Index (BWi)

Pyrometallurgy

- Muffle Furnaces
- Rotary Kiln
- Tube Furnace

Hydrometallurgy

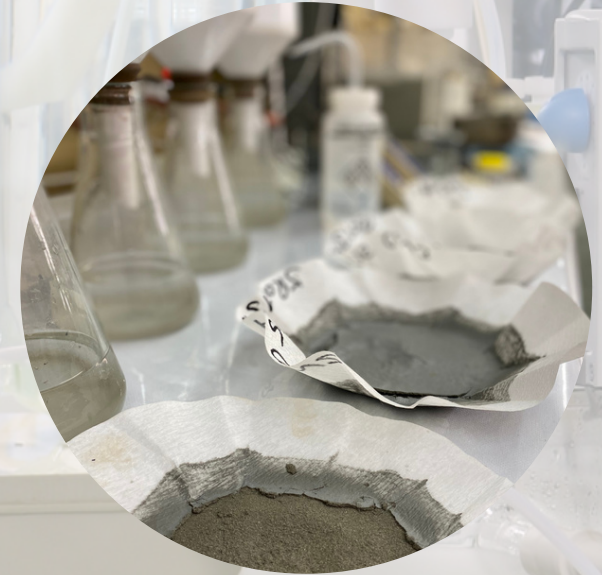
- Kinetic Leach Testing
- Column Leach Vessels
- Bulk Leach Vessels
- Jacketed Leach Reactors
- Electrowinning
- Electrochemical Exfoliation
- Thickeners
- Solvent extraction:
 - Separation Funnel
 - Continuous Mixer-settlers
- Precipitation
- Continuous Pilot Plant:
 - Leach/ Digestion
 - Precipitation

Mineral Processing

- Froth Flotation:
 - Agitair
 - Denver
 - Continuous Piloting
- Gravity Separation:
 - Knelson
 - Falcon
 - Wilfley Table
 - Jigging
 - Spirals
- Dense Media Separation:
 - Ericsson Cone
 - Viking
- Magnetic Separation:
 - LIMS
 - WHIMS
 - Wet & Dry
- Cyclone Classification
- Deslime Cyclone
- Up-Current Classification
- Centrifugal Separation:
 - Batch
 - Pilot

Analytical Services

- Atomic Absorption Spectroscopy (AAS)
- Microwave Plasma Atomic Emission Spectroscopy (MP-AES)
- Wet Chemistry Methods:
 - Cl Titration
 - Ferric Titration
 - Free Acid Titration
- Portable XRF



Additional Services

- Pilot Plants
- Equipment Design
- Sample Logistics and Quarantine
- Core Cutting
- Storage facilities for Wet, Dry & Radioactive materials
- Cold Storage
- Mobile Personnel