



For All Your Sampling And Analytical Needs

CONTACT DETAILS

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Mitra SK Australia was established in 2013 with a focus on Coal and Iron Ore analysis and superintending services. An office was established in Melbourne to support the superintending services of bulk cargoes of coal and iron ore which were being shipped to China and India. With the rapidly expanding coal industry in Queensland, in June 2014 Mitra SK acquired Preplab Testing Services Pty Ltd – a NATA accredited coal laboratory group having physical testing and laboratory services already established in Rockhampton and Gladstone in Central Queensland.

Preplab Testing Services Pty Ltd brought to Mitra SK 25 years of experience in the Queensland coal industry, in the fields of bore core preparation and quality analysis as well as Coal Preparation Plant quality control and production quality monitoring. Preplab Testing Services Pty Ltd became a wholly owned subsidiary of the Mitra SK Group and in January 2019, Preplab Testing Services Pty Ltd became **Mitra PTS** – a Coal testing laboratory group with plans to expand into the Australian Base Metal, Bauxite and Gold industries.

At Mitra PTS, we are – *Committed to Quality and Customer Service* –

Capabilities

Mitra PTS specialises in providing coal quality analysis to customers at all stages of the coal supply chain. Mitra PTS is capable of providing analytical services as well as geological and process solutions to a range of industries. Mitra PTS staff have a combined experience of over 200 years across the Gladstone and Rockhampton sites, and further afield in Indonesia through our Indonesian office.

Services

Mitra PTS is primarily a coal testing provider and can provide the following services

- Borecore sample treatment program design
- Pre-treatment and analysis of borecore samples
- Analysis of CHPP feed samples
- Metallurgical and process sample evaluations
- Preparation and analysis of production samples
- Preparation and dispatch of market samples
- Cargo Superintending and Witnessing

Mitra PTS also offers testing services for other commodities such as

- Magnesite
- Magnetite
- Caustic Soda
- Mineral Sands
- Shale Oil
- Iron Ore

Mitra PTS provides the following sample pre-treatment testing and analysis in-house

- Sample Preparation, Comminution (crushing, milling, grinding)
- Drop Shatter Testwork
- Wet Tumble Test
- Desliming
- Size Analysis (wet or dry)
- Bulk Density Analysis
- Float – Sink Testing
- Flotation Studies (Conventional and Column)
- Magnetics Content
- Total Moisture
- Relative Density
- Proximate Analysis
- Crucible Swelling Number
- Total Sulfur
- Gross Calorific Value
- Gieseler Plastometer Test
- Ruhr Dilatometer Test
- Ash Fusibility
- Ultimate Analysis (C, H, N)
- Gray King Coke Type
- Hardgrove Grindability Index
- Dust Index of Coal
- Durham Cone Test

Quality

Mitra PTS laboratories in Australia are NATA Accredited to ISO/IEC 17025: General Requirements for the competence of testing and calibration laboratories

Rockhampton Laboratory
Accreditation No: 16994

Gladstone Laboratory
Accreditation No: 14525



Through associate laboratories Mitra PTS also provide

- Petrographic Analysis
- Carbonisation Tests
- Trace Elements Analysis
- Coal Ash Analysis

Coal - Exploration Services

Mitra PTS specialises in the design and implementation of borecore programs to provide a cost effective solution for your exploration needs. From initial greenfield exploration to in pit drilling, to determine washability characteristics for improved modelling and simulation of products, Mitra PTS is a total service provider. Mitra PTS can supply analytical services for open hole chip programs through to large scale multi hole large diameter core programs and even test pit and box cut services for the generation of market samples. Mitra PTS can also provide channel and strip sampling services. For more information contact the Exploration team in Rockhampton.



Coal - Process Services

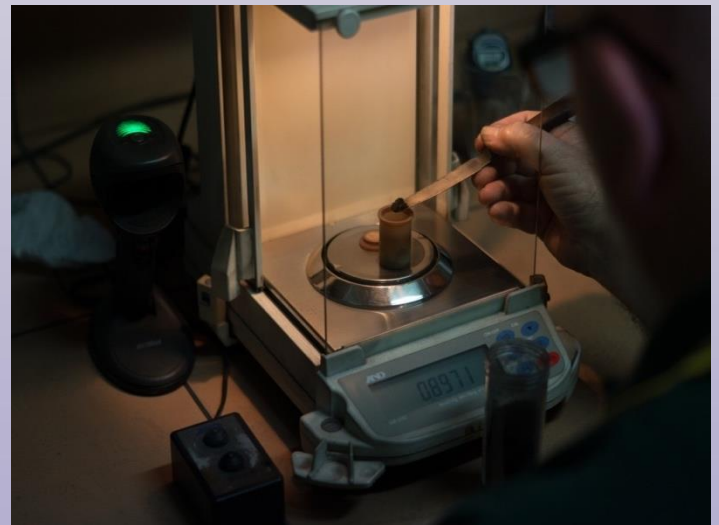
Mitra PTS has an in-house process division dedicated to providing all your process optimisation solutions from design of a sampling program to monitoring of implemented changes. The process division has an experienced sampling team that can be mobilised at short notice to provide on-site sampling services. The sampling team are supported by the Coal Technology Group. Mitra PTS laboratories have in-house capabilities for beneficiation of samples by organic solvents (conventional float and sink testing) as well as alternate water based methods. Mitra PTS also has conventional flotation and column flotation capabilities.

Coal - Production & Shipping Services

Mitra PTS is capable of providing production and shipping services across various formats. Mitra PTS can:

- Design and commission your own on-site laboratory
- Provide training for your staff in laboratory operations
- Provide staffing solutions for your on-site laboratory
- Provide equipment and staffing solutions for your site

Mitra PTS can supply superintendence and inspection services for shipments out of Indonesian and Gladstone Ports as well as witnessing and protective agent services out of all Australian ports.

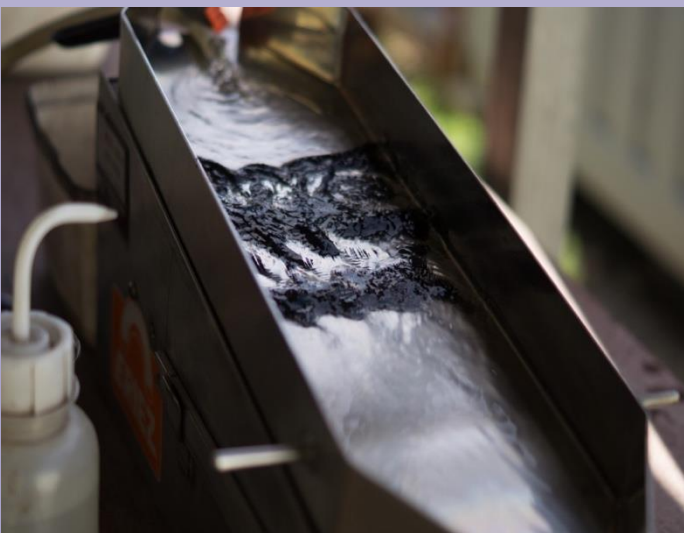


Other Industries Services

Mitra PTS is a specialist in analysis of magnetite and dense medium samples across a range of industries. Mitra PTS has expertise in the separation of materials by the following methods

- Gravity Separation (by organic solvents and water based methods)
- Magnetic Separation (by Davis Tube and Magnachute)
- Flotation Studies (by conventional/mechanical flotation and column flotation)
- Sizing and Desliming to 20micron

Mitra PTS laboratories can analyse a range of different commodities for various analytes. For more information please contact the laboratory in Rockhampton.



CLIENT BASE



and many others...



Mitra PTS Pty Ltd is a part of the Mitra SK Group of Companies



<https://www.mitrisk.com/>

