

Tailings Processing

World's leading process solutions
converting your tailings from
waste to saleable product.

Our step by step solutions combine proven expertise and separation technologies with the latest relocatable modular plant designs that minimise operational costs whilst processing tailings efficiently and profitably.

Tailings Processing

START

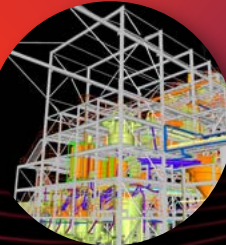
Tailings Stockpile



Our tailings testwork programs are designed for each specific ore body. We help you to explore the inherent value of your tailings stockpiles so that you can extract saleable product from your tailings.

02

Process Design



Tailings Testwork

01



We know that no two ore bodies are the same so a 'one size fits all' solution never works. Our team of expert Metallurgical Consultants and Process Engineers draw on experience and know-how, working collaboratively to determine the most effective and robust solution for your tailings deposit.

READING

WHIMS

For magnetic separation the Reading range of Magnetic Separators has a wide range of proven, cost effective products.

Including wet high intensity, induced roll, rare earth roll, rare earth drum, low intensity and medium intensity magnetic separators the Reading range has a magnetic solution to fit your particular processing requirements.



MMU

The Mobile Mining Unit (MMU) is a high-performance solution designed by Mineral Technologies, for mining sites where traditional dredging is not an option, or not cost effective. The technology delivers improvements in availability, orebody yields, throughput and overall mineral recovery.

Suited to sand environments that include organics such as tree roots, light clay and soft or friable rock, MMU's can reduce operating costs by eliminating the need for conventional "truck and shovel" mining.



LFCU

The LFCU is an advanced, technology-driven, smart surge bin manufactured exclusively by Mineral Technologies. The use of the LFCU in plants worldwide has resulted in consistent slurry density and tonnage at the LFCU discharge point despite large fluctuations in feed flowrate and density into the unit. Stable LFCU discharge enables down stream operations to be optimised. The LFCU has also been utilised for high density (>65% solids w/w) tailings disposal.

Module

0

The science behind our testwork programs delivers proven test results that inform recommended process solutions. Our Engineers develop plant designs incorporating industry leading process equipment to deliver efficient operational plants specific to your requirements.

04

Installation & Commissioning

Ongoing support is a key part of our commitment to ensuring project success. This includes site visits and monitoring tools to maximise process performance.

07

Final Product



With over 80 years' experience we confidently deliver our process solutions and plant designs to customers worldwide. We carefully guide customers through each stage of the process - from delivery to initial set-up and commissioning.

Site Support & Maintenance

05

Our end-to-end process is designed to help deliver quality commodities that align with our customers business objectives. Talk to us today about how we can bring our proven solutions to help your tailings project succeed.

Selection

3



Modular Plant

Customisable to your specific ore body, the new range of Relocatable Modular Plants offers the usual superior metallurgical performance that Mineral Technologies is known for. Delivered at a competitive price point, the plants are customisable, manufactured to the highest quality & safety standards, easy to ship to site, quick to assemble and commission, and completely relocatable.



Spirals

Designed and manufactured by Mineral Technologies, MD spirals are the spiral of choice for fine mineral separation. As the world leader in spiral technology we provide you with unparalleled levels of confidence in the performance of gravity separation circuits. We design, manufacture and supply the MD range of gravity separation equipment including spirals, shaking tables, slurry distribution and laundering systems.



HTR400

A new innovation from our R&D team, the HTR400 is part of our Electrostatic Separator Range. Treating in the order of 25% higher feed tonnage, the HTR400 also provides greater flexibility in configuration as well as improved operability and less maintenance.



**Mineral
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A Downer Company

Downer
Relationships creating success

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