Giving You Confidence

Mineral Technologies is a global leader in mineral processing solutions and is part of the Downer Group, a leading provider of integrated services in Australia and New Zealand.

Transforming ore bodies into valuable commodities for customers worldwide, our expertise extends across a wide range of minerals including iron ore, mineral and silica sands, coal, chromite, gold, tin, tungsten, tantalum and other fine minerals.

Established in the 1940’s, today we are recognised by customers worldwide as the ‘go to’ partner for process solutions across the project lifecycle. Our solutions incorporate metallurgical testing, process plant design, equipment supply and commissioning services.

Understanding Your Vision

Customers regularly tell us that they value our commitment to understanding their specific project objectives and opportunities as a first step in working with their teams to achieve the project vision.

This holds true for projects of any size or scope - from process improvements focused on reducing operational costs, to tailings projects converting rejects into revenue, or designing new plants, our work always begins with understanding the project vision and working collaboratively to deliver process solutions to get the job done on time and on budget.

Process Plant Design

Our plants are designed to safely and efficiently separate minerals to produce specific product grade requirements while delivering high availability, low capital and low operational expenditure. Latest plant designs include new modular designs delivering fast assembly and relocatable options for customers.

Extending beyond traditional spiral plants our designs include gravity, magnetic and electrostatic beneficiation equipment with capacities ranging from 50t/h to 7,000t/h.

State of the Art Process Equipment

Our equipment range maximises grade and recovery whilst delivering low operational costs. Designed and manufactured using the latest technologies, all equipment is fully tested in processing operations to ensure optimal performance. This means that when we release new process equipment you can be assured that it will be fit-for-purpose and cost effective.

In addition to spiral separation equipment we are a market leading Original Equipment Manufacturer (OEM) supplier of centrifugal, magnetic and electrostatic separation equipment manufactured in-house to high ISO9001:2015 quality standards.

Gravity Separation

Recognised as a world leader in spiral technology, we provide 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 and slurry distribution and laundering systems.

Our Australian based head office houses the world’s largest spiral manufacturing facility and produces over 20,000 starts annually. In 2010/11, we manufactured HC33 and WW6 spirals for ArcelorMittal’s Mont Wright mining operations in Canada to deliver the largest single spiral order in our history.

Magnetic Separation

Our Reading range of magnetic separators includes wet high intensity, induced roll, rare earth roll, rare earth drum, low intensity and medium intensity units.

Electrostatic Separation

For separating dry, free flowing materials with particle sizes between 40-800 microns that exhibit electrical conductivity differences, we offer our Carrara range of high efficiency electrostatic separators to maximise process performance and minimise plant size.

www.mineraltechnologies.com/
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