



**Mineral
Technologies**
A Downer Company



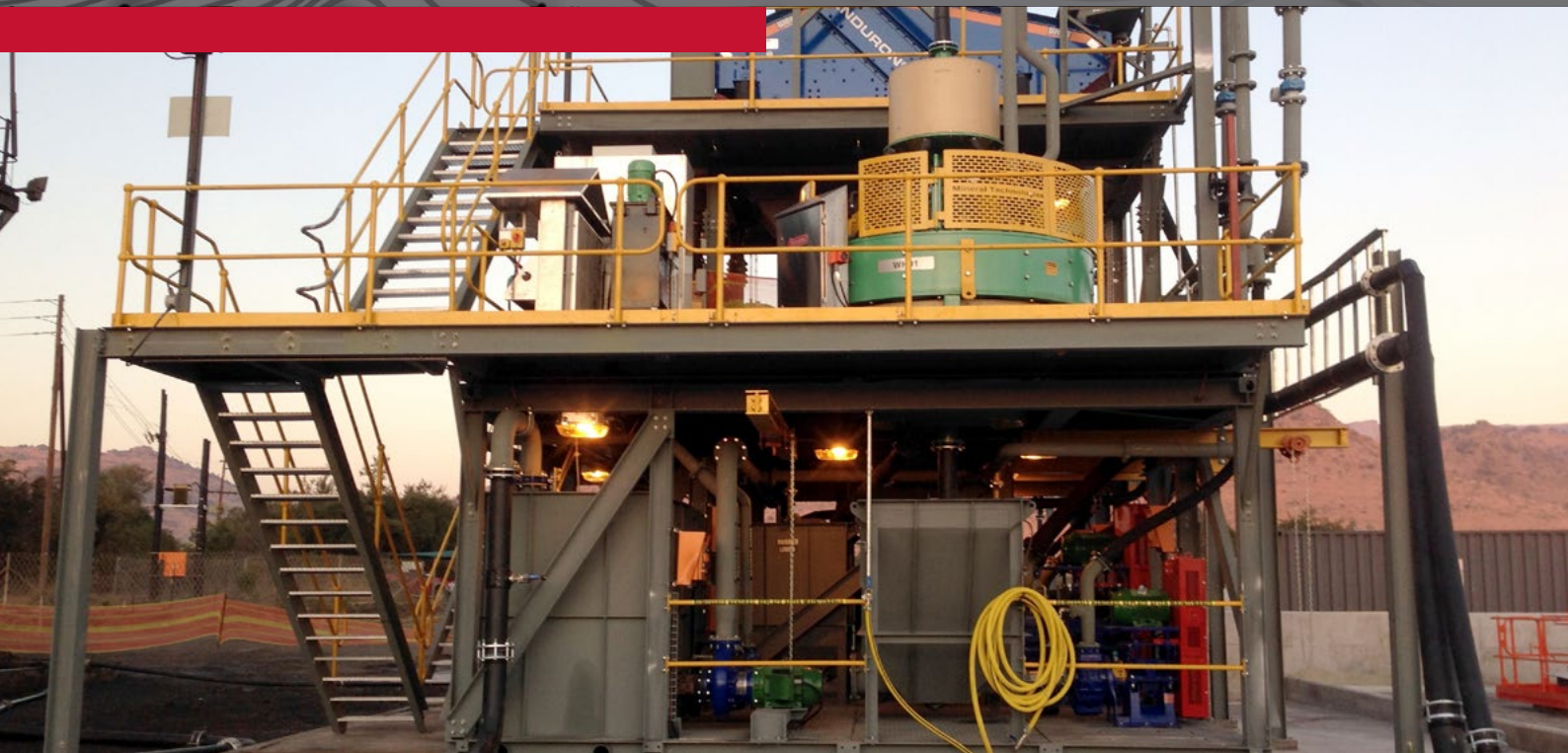
Chrome

Mineral Technologies offers a wide range of gravity and magnetic separation equipment tailored to support **fine chrome recovery**.

We work with you to understand your ore body and help select the best equipment, or process solution, for your operation.

Proven fine chrome recovery expertise

- Mineral Technologies has a long and successful history in the Southern African Bushveld region which contains approx. 75% of the world's chromite reserves.
- Recent plant designs typically include the MG6.22 spiral in a multi-stage circuit. These plants are low in capital cost and deliver a high recovery of chromite concentrates.
- We have also supplied a number of plants with our Reading WHIMS to bring old mines with tailings deposits back to life.



Metallurgical testwork & Process design

Our world class test facilities deliver extensive testwork for chromite ores including ROM and tailings of LG, MG and UG materials from >15% Cr₂O₃ grade to metallurgical, chemical or foundry grade products.

Results from metallurgical testing help our design teams to develop cost effective and efficient flowsheets for specific ore bodies.

The separation of valuable minerals from the ore is enhanced by the appropriate selection of feed preparation systems such as scrubbing, screening, classification and slimes removal.

Completed projects

- Doornbosch Chrome Mine, Samancor, South Africa
- Tweefontein Chrome Mine, Samancor, South Africa
- Thorncliffe Chrome Mine, Glencore, South Africa
- ERG Kazakhstan
- Kemi Chrome Mine, Outokumpu, Finland
- Tata Steel Ltd, Sukinda, India
- Orissa Industrial Minerals
- National Ispat & Power Ltd, India
- FERBASA, Brazil

Proven technology

Mineral Technologies has been supplying chrome recovery equipment to the Bushveld region for over 25 years, and globally across regions in Kazakhstan, India, Brazil, Turkey, and Europe.

Our equipment range benefits customers by producing consistently high recoveries over a wide size range, with maximised yield. Minimum slimes generation reduces water consumption, operating costs and maintenance requirements. The splitter accuracy and quality of spiral manufacturing improves the consistent recovery of chromite.

Equipment range

MD Spiral separators

- MG6.22
- FM1
- HG10i
- WW6e
- CS1



Reading magnetic equipment

- WHIMS
- RED



Carrara electrostatic equipment

- HTR

