



**Mineral
Technologies**
A Downer Company



Metallurgical Services

North America

With decades of mineral processing experience, our North American team has the expertise to deliver technical services to support your project at any stage.

Local testwork is conducted by experienced process metallurgists and technicians with expertise in the complete range of Mineral Technologies equipment and engineering services. Utilizing industrial-scale equipment and the latest data analysis and modelling techniques, our team provides a holistic approach to metallurgical testwork and sample evaluation using both wet and dry processing techniques.

- All lab equipment is full-scale, so you can be confident the results will be representative of your operational environment.
- The full-scale spiral test rig gives us the ability to process closed-circuit or open-circuit, meaning we can do everything from simple release curves to bulk processing.

Metallurgical Services



Services Provided

- Ore evaluation
- Heavy liquid separation
- Particle size distribution
- Wet and dry processing amenability studies
- Process flowsheet development
- Pilot-scale bulk processing
- HMC and final product creation
- On-site audit and optimization services

Equipment Range

- Full range of MD Spiral Separators
- Wet gravity shaking tables
 - Gemini Tables
 - Holman Wilfley
- WHIMS
- Bulk feed preparation circuit
- Full range of magnetic & electrostatic separation equipment
 - Carrara HTR400
 - Carrara ESP
 - Reading RER
 - Reading RED
 - Reading IRM



Local Expertise

Our local team, based in Florida, are highly regarded for providing detailed, accurate, and reliable results. They regularly support customers who are looking for assistance identifying the most cost-effective process flowsheet designs for new and existing mineral processing circuits.

At our North American facility we can process and characterise a wide range of minerals including mineral sands, iron ore, chrome, tin, silica sands, base and precious metal ores, gems, industrial minerals and many other fine minerals.

Our team is also available for on-site audit and optimization services across a broad range of commodities across in North America.

Modelling Software

Mineral Technologies' proprietary modelling software provides significant advantages in predictive modelling including flowsheet designs and evaluation of recirculating loads, giving our customers confidence in the results of testing and scalability.

For more information on how our team can assist your operation, email MTInfo@mineraltechnologiesusa.com