



# HEAVY MINERAL SANDS CHARACTERIZATION AND PROCESSING

## ALL THE TOOLS

PMC has all the skills and equipment for laboratory scale processing and characterization of heavy minerals:

- Heavy Liquid Separations
- Magnetic / Electrostatic Separations
- MagStream® Separator
- Wifley and Deister Concentrating Tables
- Optical and SEM Automated
- Mineral Characterization



## GLOBAL EXPERIENCE

- Canada
- USA
- Australia
- South & East Africa

*"PMC has been a valued partner with Titanium Corporation in the advancement of our CVW Horizon project."*

*"We have found them to be knowledgeable and able to turn around our work quickly. They have demonstrated an ability to be adaptive to our changing needs."*

**- Niel Erasmus, Vice President, Titanium Corporation**

## CONTACT

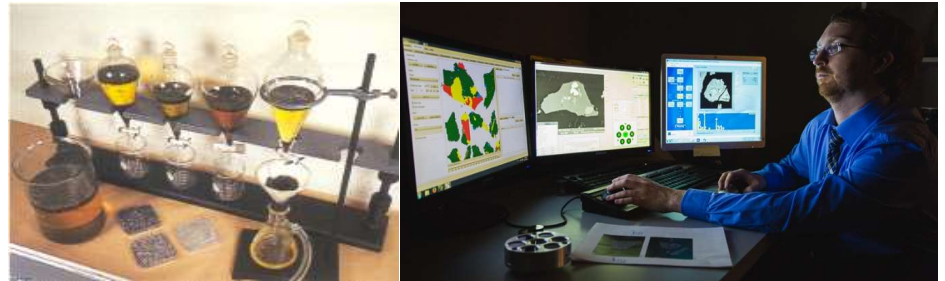
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## TITANIUM CORPORATION CREATING VALUE FROM WASTE™ PROJECT

PMC has been supporting Titanium Corporation with the routine analyses of daily/weekly composite samples and hundreds of exploration samples per year as part of their project to recover valuable heavy minerals from the froth treatment tailings of a major oil sands operation in Alberta, Canada.

The ongoing work at PMC has included traditional mineral sands evaluation techniques involving heavy liquid separation and mineral characterization including:

- % Heavy Minerals
- Mineral Type / Abundance
- Mineral Associations
- Liberation (% surface area)
- Grain Size Analysis



## HEAVY MINERAL SANDS SCOPING TEST PROGRAMS

For early-stage projects looking to learn more about their resource, PMC can customize a specific scoping level test program, unique to your resource, based on our established test protocols. These programs include looking at various separation methods to determine the viability of separating out various products and then conducting characterization of the products and reject streams.

