

JKTech Training Courses

PROCESS MINERALOGY

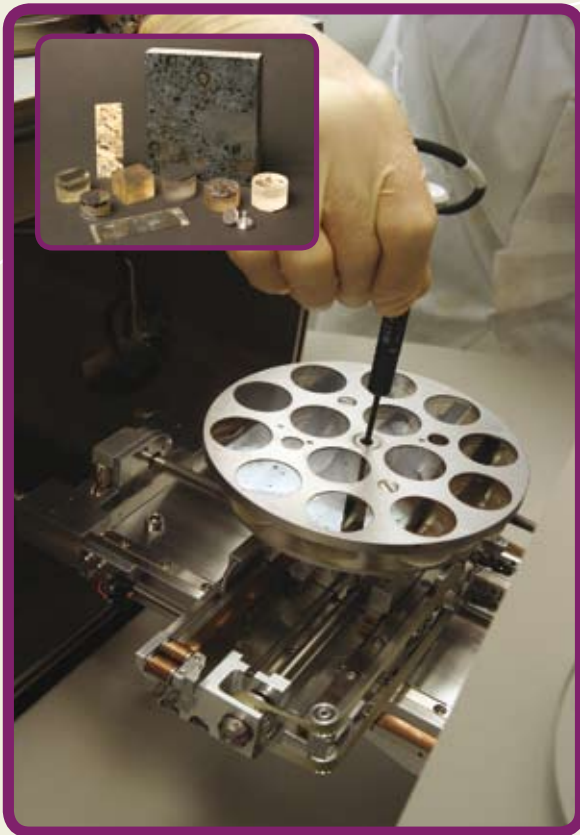


This Process Mineralogy course was developed in conjunction with the University of Cape Town in South Africa, and is designed to meet the growing need of many metallurgists for hands-on training in mineralogy and process mineralogy.

Course Objectives

The course objectives include:

- Introduce basic mineralogy principles
- Provide various techniques for mineralogical analysis and their applications
- Provide mechanisms for more efficient communication between geologists and metallurgists
- Calculate recovery-size performance for minerals (liberated and composite)
- Interpret of recovery-size data for mineral processing circuits
- Calculate theoretical grade-recovery curves



Course Outline

The topics covered include:

- Practical identification and characterisation of minerals
- Geological overview and definition of minerals and their characteristics
- A focus on specific deposits, with samples from exploration through to plant outputs
- Analysis options using automated mineralogy, XRD, and quantitative mineralogy systems
- Recognising the deportment and behaviour of minerals
- Understanding the consequences of processing on minerals and their associations
- Mass balancing mineralogical data
- Liberation; why it is important
- Presentation, manipulation and analysis of liberation data
- Mineral grade and recovery, calculation of theoretical grade/recovery curves
- Identifying circuit weaknesses

JKTech Pty Ltd

Isles Road, Indooroopilly, QLD 4068, AUSTRALIA
Telephone: +61 7 3365 5842 Facsimile: +61 7 3365 5900
info@jktech.com.au | www.jktech.com.au

*Delivering world class solutions to
the minerals industry*

