



MINING AND MINERALS TRAINING

Diamond Recovery and Processing

5 day course

Classroom, online or in-house

Course overview

Diamond recovery is unusual in that the product is a small number of individual objects rather than a mass of metal, which makes liberation without breakage, and security, the two governing concerns. This course covers both. Delegates work through kimberlite and alluvial deposit types, comminution designed to liberate rather than to grind, and dense medium separation as the main concentration step. Recovery follows: X ray and grease based sorting and the final recovery area. Security and the closed circuit that protects it are treated in detail. Diamond valuation, sizing and quality grading are covered at an operational level. The course closes on regulatory obligations including certification of origin.

What you will learn

- Compare kimberlite and alluvial deposits and their processing
- Design comminution to liberate stones without breaking them
- Operate dense medium separation effectively
- Run X ray and grease based recovery
- Manage the security regime around the recovery area
- Size, sort and grade recovered stones at an operational level
- Meet regulatory and certification of origin obligations

Who should attend

- Diamond plant metallurgists and engineers
- Recovery and security personnel
- Mine managers on diamond operations
- Government and regulatory officers
- Valuation and marketing staff

Course outline

- 01 Individual objects, not a mass of metal
- 02 Kimberlite and alluvial deposits
- 03 Liberation without breakage
- 04 Dense medium separation
- 05 X ray and grease recovery
- 06 The recovery area and closed circuit security
- 07 Sizing, sorting and grading
- 08 Regulation and certification of origin

Upcoming dates

Dates	Venue	Format	Fee per delegate
5 to 9 October 2026	Lagos, Nigeria	Classroom	USD 1,325
18 to 22 January 2027	Kampala, Uganda	Classroom	USD 1,325
1 to 5 February 2027	Gaborone, Botswana	Classroom	R19,950
8 to 12 February 2027	Online	Online	R8,500



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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