



GÉNIE DES PROCÉDÉS

THE BASICS OF GRINDING AND SEPARATING – SESSION IN ENGLISH

OBJECTIFS

- Understand the fundamentals of grinding and separation processes
- Choose the most appropriate equipment for your applications
- Optimise process parameters to enhance efficiency and reduce costs
- Apply good practices to ensure stable and consistent production

CONTENU PÉDAGOGIQUE

This foundational training program introduces grinding and particle separation technique. It covers essential concepts such as the link between fragmentation and the raw material characteristics, and the relationship between grinding and granulometry. The course will also guide you on how to select the right grinding equipment, from R&D to industrial production, considering factors such as mechanical constraints, granulometry, and material type. You will explore different particle separation techniques, including sifting and classifying, and learn how to choose the appropriate equipment for your specific needs. By the end of the course, you will have the practical knowledge to optimize your grinding and separation processes, leading to improved production efficiency, consistency, and cost reduction.

Principles of grinding and its role in material processing

Relationship between fragmentation, raw material characteristics, and granulometry

Understanding particle size distribution and its impact on product performance

Overview of grinding equipment: from laboratory to industrial scale

Selection criteria for equipment (mechanical constraints, material type, target granulometry)

Fundamentals of particle separation: sifting, classifying, air separation

Equipment options for particle separation and their selection criteria

Integration of grinding and separation for process optimisation

Case studies and practical examples on improving efficiency, consistency, and cost-effectiveness



DURÉE

1.5 days – 10 hours



SESSIONS

June 30 to July 1st 2026



FRAIS D'INSCRIPTION (DÉJEUNER INCLUS)

€ 1195 (Excl. VAT)



PRÉREQUIS & PUBLIC CONCERNÉ

R&D scientists and technicians, Process and production engineers

Coordonnées

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