
Minimizing Attrition Tutorial - Seminar

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What you will learn:

Attrition is the unwanted breakage of particles through processing. Our approach to solving attrition problems is based on both measurement and modeling of attrition sensitive processes. It is important to understand the potential causes of attrition with your particular materials. This requires an understanding of how your product particles break during a particular processing step (i.e. the potential breakage mechanisms inherent in your process). You must also understand how sensitive your material is to a particular type of breakage mechanism. Our tutorial seminar leads you through a mechanistic and modeling approach to predict the expected degradation in your process. We will teach you the relationship between process behavior, operational parameters and attrition potential. We will examine the characteristics of the product with controlling influence in attrition prevention. Finally, we will discuss how simple changes in processing or product design can help mitigate attrition. The discussion will be based on sound scientific principles with practical applications to aid the practicing engineer.