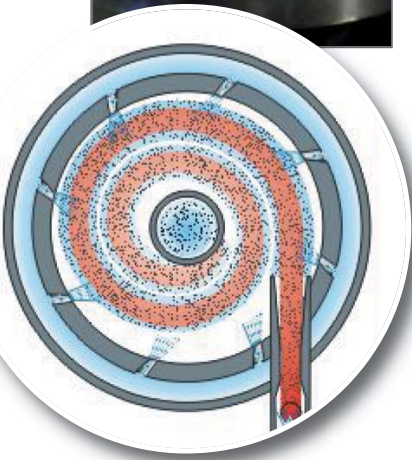


Micronizing

Micronizing Consultancy

- Reduced down time
- Reduced capital cost
- Optimized processes
- Optimized product recovery up to >99%
- Safe processes
- Compliant processes

Micronizing Consultancy



The qualities of products that require micronizing have countless variables, so advice on ensuring the optimum process parameters and particle size distribution curve manipulation for each is invaluable.

Dec takes a product, assesses particle size characteristics, conducts initial analysis in the laboratory, then develops and optimises the process at production level, recommending the best machine for the production rates required. Alongside this appropriate containment can be developed, all GMP is considered, including sterile or non sterile processing for both the US and Europe.

The service includes material components evaluation and ensuring control of process conditions from temperature to humidity in the preferred inert process gas stream, or even cryogenic conditions if the product warrants it.

Dec makes the mills to suit difficult products, with top and bottom exit systems and intermediate cyclones for particle fractionation if required, including vertical milling where appropriate.

Examples of difficult products successfully processed by Dec include:

Pharmaceutical field

- Triam family of products
- Fluticasone
- Orlistat

Cosmetic field

- Titanium oxide

Industrial field

- Industrial diamonds

Features:

- Micronizing down to 0.5µ
- Product analysis
- Process development
- Process optimization
- Process conditions control
- Containment

