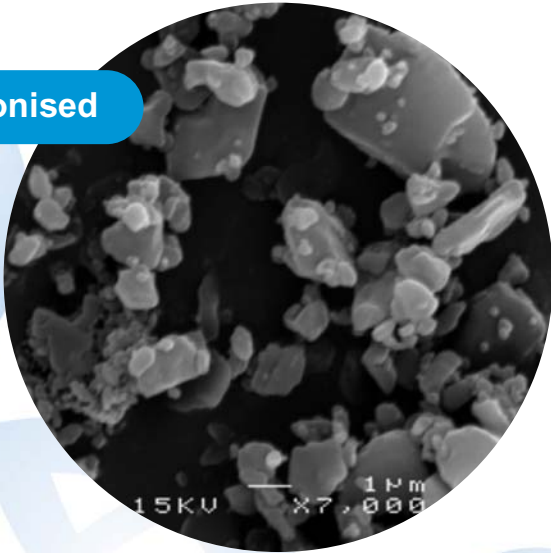


SAX™

The ultimate in particle engineering



Micronised



Case Study: Budesonide

Classical micronisation techniques result in a wide variety of particle shapes and size, and can lead to problem solid state transitions

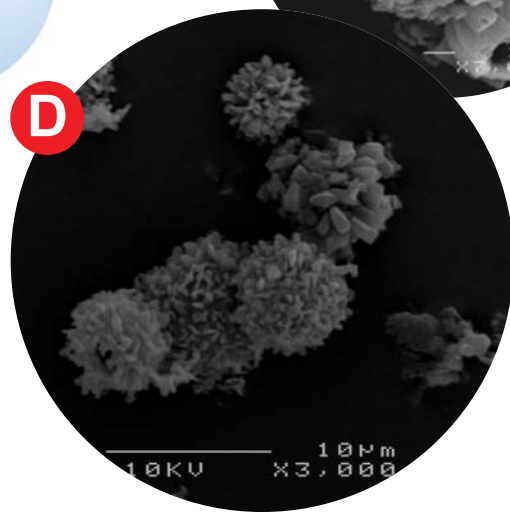
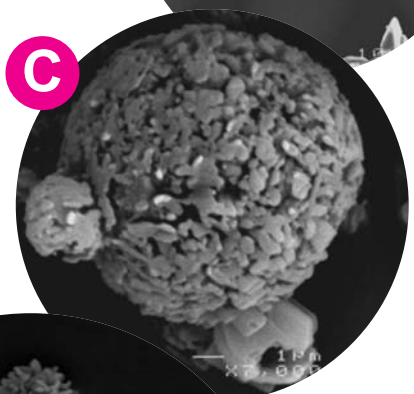
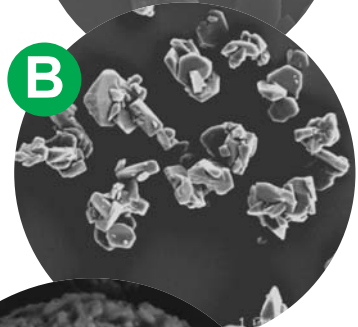
SAX™ allows a tailored approach to particle engineering and facilitates size, morphological and surface energy control, in a single step. The SEM's A-D show SAX™ at work with Budesonide.

A

B

C

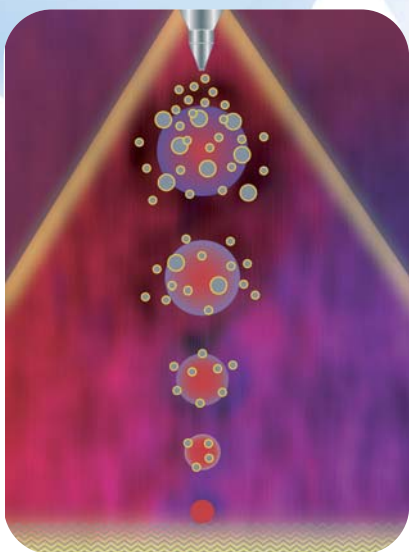
D



Alternate SAX™ configurations

Proprietary nanocrystallization technology

- Ultimate in particle size and morphological control
- Single step solution-to-particle process
- 100% crystalline material: no amorphous content
- Ambient process conditions
- No micronisation required
- Wide range of applications
 - inhaled therapeutics
 - nanosuspensions
 - improving poorly soluble drugs
 - biopharmaceuticals



SAX™ process description

- Solution preparation
- Atomisation
- Evaporation
- Sonocrystallization
- Isolation

