

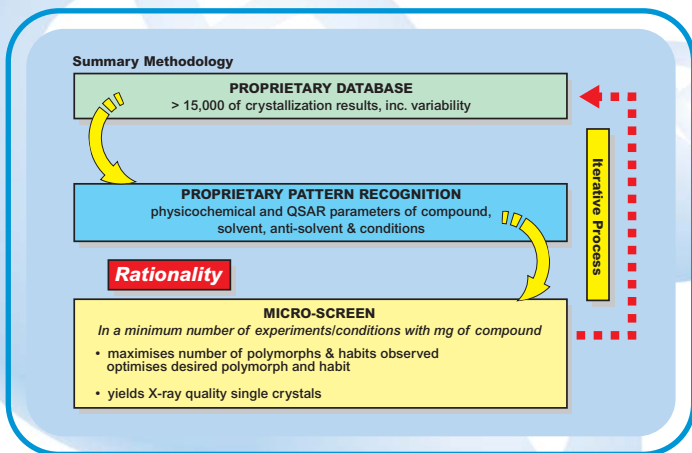
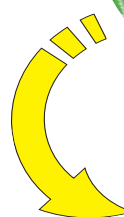
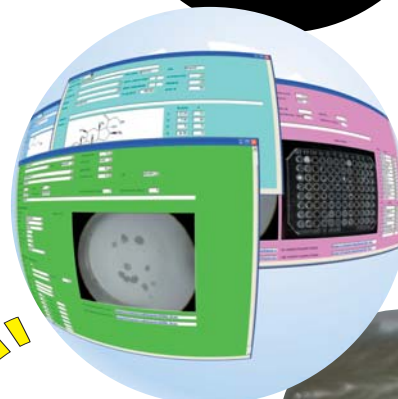
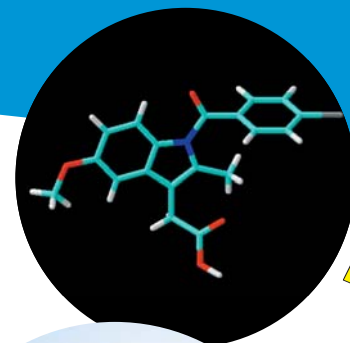
CrystalGEM™

Award winning predictive crystallization technology



The optimum crystallization screening methodology for pharmaceuticals

- Highly cost effective, rational approach
- Rapid response service
- Generates 100% useful information on:
 - habit, morphology, polymorphs, solvates
- Outcome and scale-up focused
- Reduces time to market



E.g. Indomethacin:
CrystalGEM™ viable conditions prediction

solvent v. anti-solvent

In-silico analysis of total solvent space reduces screening possibilities from tens of thousands to a few hundred!

CrystalGEM™

The Rational Screening of Crystallizations for Pharmaceutical Products through Pattern Recognition

- Winner of the CPhI 2005 Gold Innovation Award
- Structurally and outcome driven
- Uses proprietary pattern recognition technology and QSAR analysis
- Predicts probability and feasibility of morphology and polymorphism in-silico
- Predicts optimum solvent conditions for desired outcome
- Draws on an in-house database of over 15,000 real experimental conditions
- Proprietary microcrystallization technique confirms prediction with only mg quantities of compound



CrystalGEM™

- Can be applied at any stage during development
- Significantly reduces time and cost of crystallization screening
- Results can be directly used by the industrial user
- Makes traditional high throughput crystallization screening obsolete