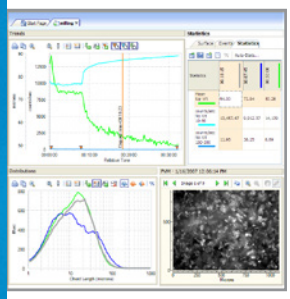
iC Software

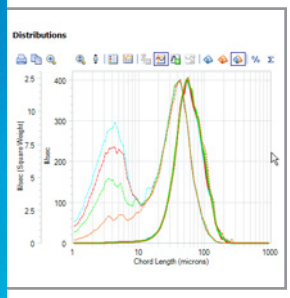
Simply Powerful

Particle System Characterization



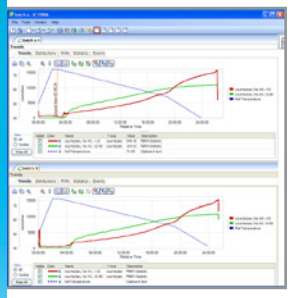
Enhance Understanding

Mechanisms for particle dimension and shape change can be understood and quantified with FBRM using trended statistics, distributions, and PVM® inline images. iC FBRM software helps chemists and engineers distill information-rich data into valuable process understanding.



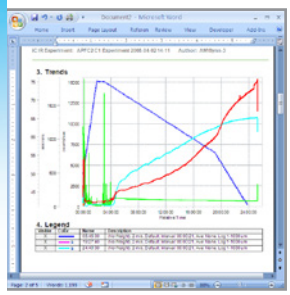
Smart Visualization

Innovative distribution display enhances the ability to simultaneously track changing particle dimensions on the fine and coarse tails of the particle distribution. Statistics for key samples are also quantified in a tabular view that aids in understanding process dynamics.



Optimize Conditions

Optimize batch conditions in the laboratory or during scale-up to manufacturing. Drag, drop, and overlay distributions and trends from multiple time points and batches to target an endpoint particle distribution. Relate experimental design conditions to particle system dynamics by importing process variables onto FBRM trended statistics.



Reduce Data Analysis Time

Save time by preloading desired statistics, reference distributions, and user-defined trends from a previous experiment using templates. Data analysis sessions are always saved facilitating consistent data analysis, even with interruptions. A single mouse-click creates a detailed report summarizing an entire iC FBRM experiment.

iC FBRM™ Software

iC FBRM delivers key information that helps users develop a strong understanding of their particle system dynamics, optimize experimental design, speed development time, and quickly identify and solve production issues. Intuitive report generation features combine data from multiple FBRM® experiments with batch condition data (e.g. temperature, mixing, dosing) and produce professional reports with a click of the mouse.

METTLER TOLEDO

Simply Powerful
Particle System Characterization

Easy Data Collection and Instrument Control

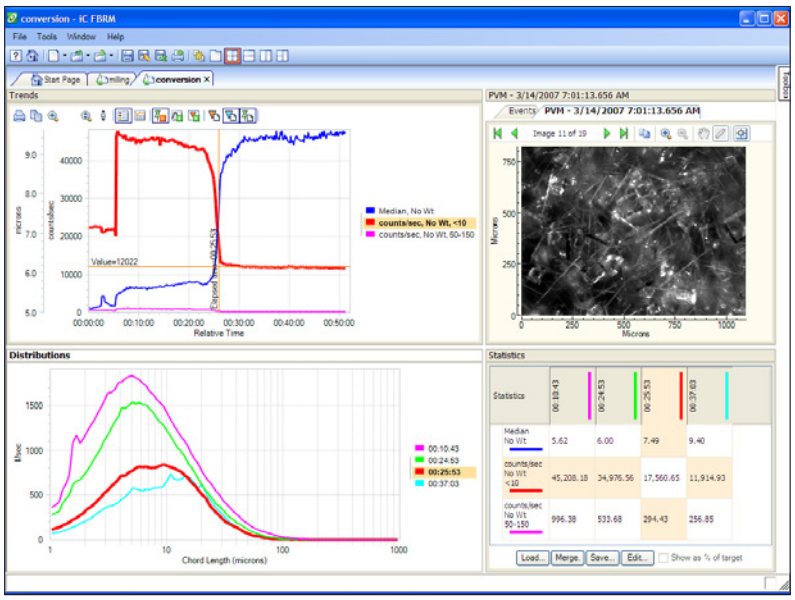
- **Templates** reuse settings from previous experiments
- **Large value display** lets users monitor key values from across the room or under the fume hood
- **Clean Window** function for auto-removal of distributions collected while cleaning the probe
- **Real-time data exchange** with other iC products help interpret how changes to parameters like heat flow and concentrations affect the particle distribution
- **Stuck particle correction** ensures quality data
- **Multiple vessel monitoring** with supported systems

Intuitive Data Analysis and Visualization

- **Import process data** such as temperature, pH, RPM and dosing to understand mechanisms for particle size and shape change
- **Track changing particle dimensions** on the fine and coarse tails at the same time
- **Annotations** are easily added to enhance understanding and reports
- **Target an endpoint** particle distribution using drag/drop technology
- **Integrated PVM analysis** allows zoom, measurements and adjustment to PVM images

Data Exchange and Quick Reporting

- **Single click report generation** produces detailed reports in Microsoft® Word® or read-only XPS format
- **Tabular Statistics Grid** summarizes statistics and process data for each critical point in a reaction
- **GAMP and 21 CFR Part 11** compatible data management
- **Simple data sharing** between iC products or with Microsoft® Word® and Excel®



Technical Specifications

PC Requirements	FBRM D600/S400 System	ParticleTrack System
Operating System	Microsoft® Windows® XP, Microsoft® Windows® Vista, Microsoft® Windows® 7 (32-bit only)	Microsoft® Windows® XP, Microsoft® Windows® Vista, Microsoft® Windows® 7 (32/64-bit)
CPU	Intel Core 2 Duo 2.2 GHz +	Intel Core i7-2720QM, 2.20GHz, 6MB Cache
Memory	2 GB	4.0 GB DDR3 SDRAM at 1333MHz
Hard Disk	SATA 5400 rpm	128 GB Solid State
Graphics	SXGA 1280x1024 with 3D Hardware Acceleration	
Additional Software	Internet Explorer 8.0 Web Browser, Microsoft® Office 2003 or later and the latest version of Adobe Acrobat Reader	

Supported Hardware

Supported Hardware
ParticleTrack™ E25, G600, G400, C35 as well as FBRM G400, G600*, S400A, S400C, D600 (except systems with CVS), C35* and most S400Q* series instruments

*Computer and hardware upgrades may be necessary

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