Spectradyne Tools Release History:

Version 2.4.0, Released 11/15/18:

New features:
1. Data acquisition can be automatically stopped upon storing a user-chosen number of points or by reaching a pre-chosen % counting error. The user can also define over what size range this count or error is measured in.
2. Data in auto-analysis engine (stats files) can be automatically filtered using default diameter and transit time filters prior to saving as a combined file, eliminating the need for post-processing. All of the original data is still available for regular post-processing in Viewer if desired.
3. Button added to "Finish Priming Manually" for non-standard samples
4. D10, D50, D90 can be reported for integration ranges
5. CSD Measurements can be displayed in volume-normalized mode
6. In Viewer, CSD integration ranges can now be typed in explicitly (in addition to interactive mode already present)
7. Ability to subtract one CSD from another added in Viewer. For example, a "blank" buffer run can be subtracted from a sample run to yield difference
8. User is now notified in bias has been turned off prior to acquisition
9. Increase in type point size on scatter plot legend
10. Various other bug fixes and performance improvements

Version 2.3.6, Released 12/28/17:

New features:
1. Ability to name and designate output data file folders
2. Ability to designate a "run prefix" to the file-naming convention prior to run
3. Button added to auto-analysis engine (acquisition) to generate combined file after completion of run
4. Ability to store and load custom scaling factors for size and concentration
5. Numerous additions to data plotting capabilities:
    a. Plot with volume weighting
    b. Ability to create custom report with user-definable bins
    c. User-definable bin widths, linear or percentage, set values for each
    d. Display absolute concentration on Y-axis
    e. Option to plot with legend off data
6. In multi-mode, ability to hover over individual CSD to highlight file name
7. When plotting on log scale, no zero points are displayed (eliminates heavy, distracting lines on zero points)
8. Added Mold Class (i.e. "TS-300", "TS-2000") to the metadata, based upon supplied MoldID
9. "End Run" button also stops acquisition, eliminating one step (single click to end)
10. "Clear Constriction" button also stops acquisition (similar to 7); also, if in "Continuous" acquisition mode, will automatically restart acquisition after clear constriction is finished
11. Added button to "restart" auto-analysis engine if CSD display stops updating (rare occurrence; this is a "fix" until we can find bug in Windows)

12. Improved sizing linearity when processing raw data
13. Output to Lumetics LINK data management and analysis software (http://lumetics.com/products/)
14. Various bug fixes

Version 2.2.1, Released 9/7/17:

New features:
1. Added "real-time CSD" display during acquisition: raw files flagged as "good" are automatically processed into a size distribution in real-time
2. Real-time CSD graph can display integrated absolute concentration across user-set arbitrary size range (displays concentration, number of particles measured, and positive/negative counting error)
3. One-click operation after cartridge insertion; simply click "Go" and priming routine starts, followed by data acquisition once priming is completed
4. Much improved speed of processing raw files to CSD (takes advantage of multiple processor cores)
5. Faster priming sequences
6. Various bug fixes