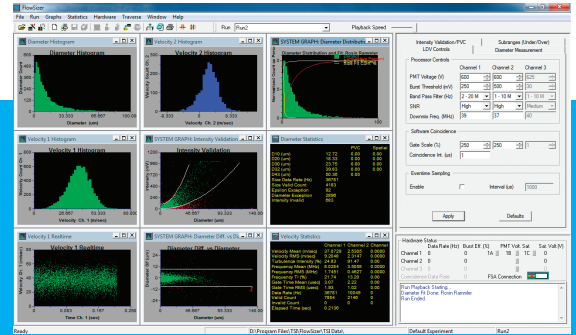# FLOWSIZER 4.0
SOFTWARE

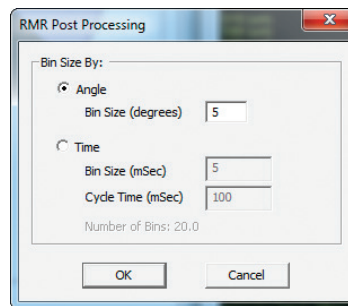## MORE FLEXIBLE WITH MORE WAYS TO ANALYZE DATA

TSI's FlowSizer 4.0 Data Acquisition and Analysis Software package sets the standard for Windows® 64-bit based acquisition and analysis of LDV and PDPA data.

The FlowSizer software package is designed to be used with the Powersight Ar-ion laser-based LDV and PDPA systems. It supports all the FSA processors a nd PDM modules. It also has an easy-to-use interface, full-featured rotating machinery support, full traverse support, user-defined customizable graphics, user-defined statistics, power spectrum features, and data export. The FlowSizer 4.0 software provides all the features for the most accurate measurements of velocity and sizing of droplets.
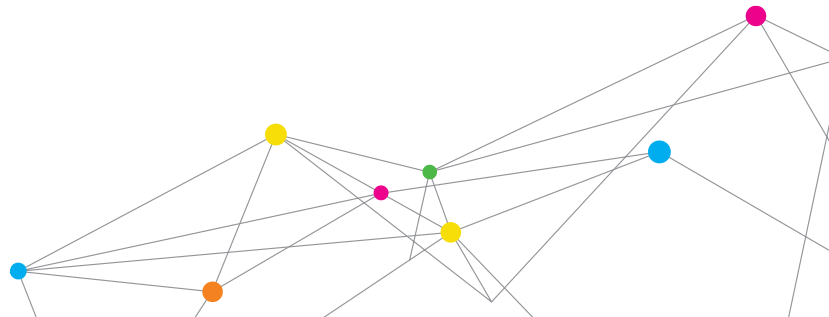

Features

+ Phase averaging of mean and RMS velocities and mean and RMS diameters within a user-selectable angular interval
+ Auto-fill function for quickly applying offsets and window disable regions
+ User-selectable independent variable (time or angle-based).
+ Simple TTL-based reset signal triggers new cycle, particularly useful for pulsed sprays where testing is done away from the reciprocating engine

+ Dual-monitor set-ups now possible
+ Easy, two-click, menu-bar access to stored data
+ Probe volume correction (PVC) over a maximum of 3,000 diameter bins
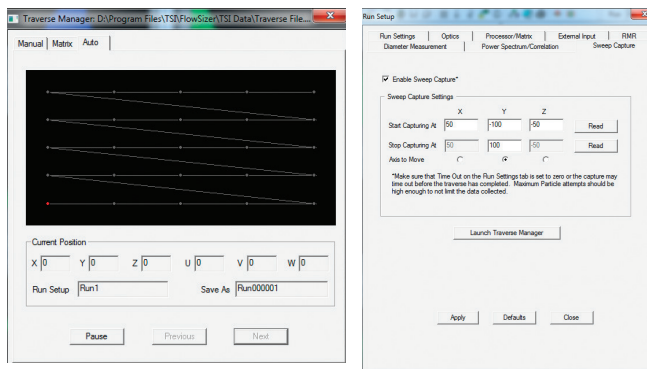
TSI

UNDERSTANDING, ACCELERATED

FlowSizer Traverse control even more feature packed

+ Current traverse position automatically updated after each event
+ Read position function easily switches between local and remote control modes
+ New capture mode performs "sweep captures" through sprays
+ FlowSizer software allows user entry of traverse position in manual mode
+ Plot label changes "remembered" to minimize formatting edits
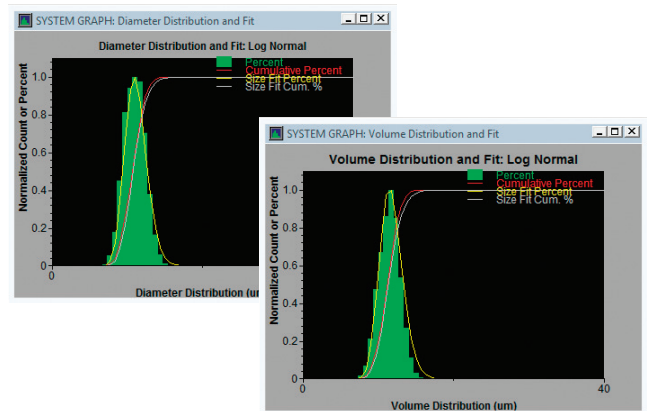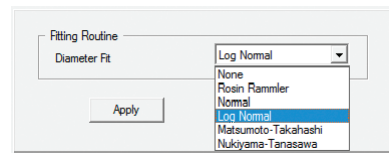

FlowSizer Custom Graphics and Plots

+ New diameter plots feature normal, modified log-normal, Matsumoto-Takahashi, and Nukiyama-Tanasawa fitting routines
+ Normalized count (probability), normalized volume, and cumulative distributions provided
+ Interarrival time now available for plot and ASCII export

FlowSizer ASCII Export Features

+ User-selectable data exported in TecPlot® or .csv formats
+ New fitted diameter distributions exported
+ Expanded selection of diameter and volume statistics exported for advanced statistical analysis

FlowSizer Custom Statistics

+ Fitting parameters available from new diameter fits include normal, modified log-normal, Matsumoto-Takahashi, and Nukiyama-Tanasawa routines
+ Fitted diameter statistics (D10, D32, etc.) available for display and export
+ Enhanced text-based statistics copy/paste function
+Velocity statistics have increased display resolution

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