Knowledge Beyond Measure.

FSA BurstPro™ Flow and Particle Analysis Software

FSA BurstPro™ Flow and Particle Analysis Software represents the latest software package for laser doppler (LDV) and phase doppler (PDPA) measurements with optimal data acquisition, analysis, visualization and presentation of results.

Features and Benefits

- Updated user interface for easy navigation of the software process
- Automatic detection and assignment of the signal processor
- Simple and clear file management catered for multiple projects and runs
- Hardware setup wizard for fast setup of optical arrangement
- Streamlined data capture with easy to follow workflow
- Intelligent selection of key parameters to analyze the data correctly and consistently
- Graphical workflow provides a clear representation of acquisition and processing steps
- Publication and report-ready graphical plots with easy export
- Runs on Windows® 10 Operating Systems

Applications

The software, along with the FSA processor and the appropriate optics, is applicable for a wide variety of fluid applications. Some examples include:

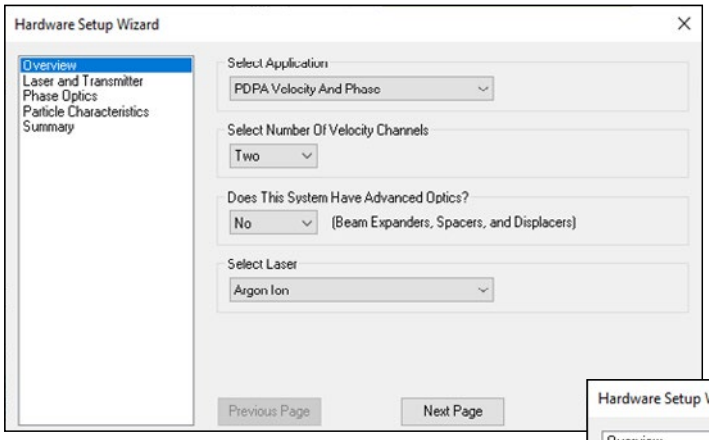
- Hydrodynamic flows
- Aerodynamic flows
- Spray diagnostics
- Turbulent boundary layer research
- Research and development
- Quality control for industry

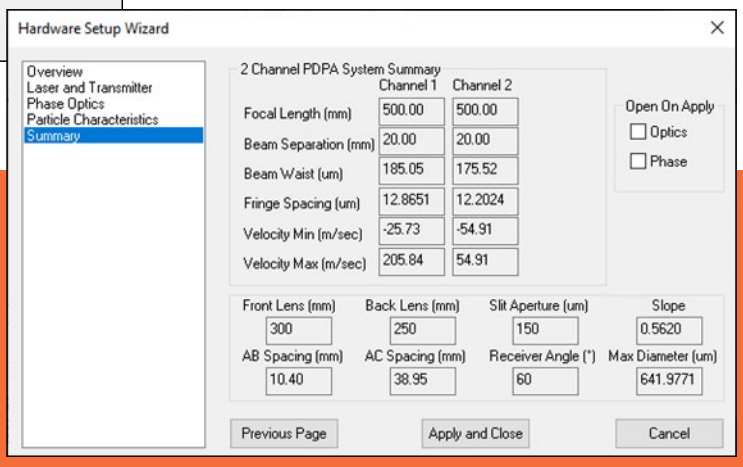
FSA BurstPro™ Flow and Particle Analysis Software was designed to power the new Flow Size Analyzer FSA 4800/5800 signal processor for laser doppler (LDV) and phase doppler (PDPA) measurements. The software provides a streamlined processing workflow to guide you through the system setup, acquisition and analysis of your data and ultimately gives you graphical results and statistics ready for your presentations and publications. Intelligent selection of critical parameters for optimization of the data acquisition both in LDV and PDPA measurements is a built-in function of the software. This provides you with accurate and consistent measurement results, without spending a lot of time learning the software.

The modular platform of the FSA BurstPro™ software provides the flexibility to purchase only the necessary module(s) to meet your measurement requirements.

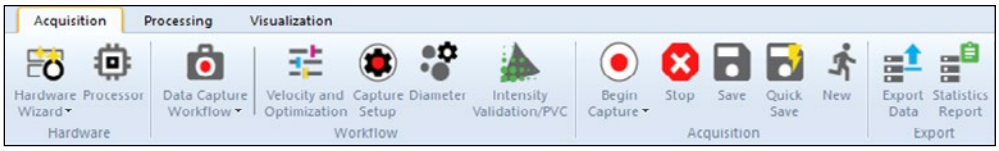
The software is also backward compatible, meaning that you can get the new software for your existing FSA 3500 and FSA 4000 signal processor-based system.

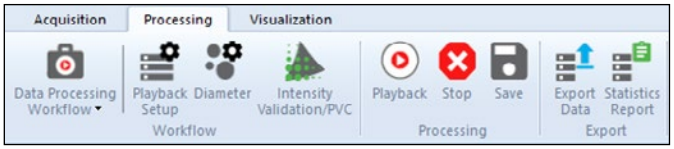
Hardware Setup Wizard
The hardware setup wizard simplifies the optical hardware configuration by walking the user through the system setup with a series of page by page questions to make sure none of the relevant parameters are missed. A final summary provides the most important criterion governing the measurements.

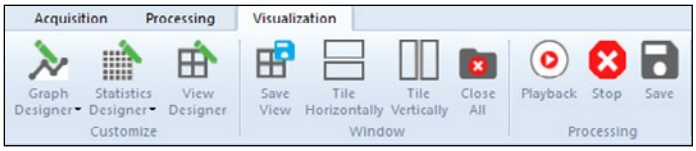


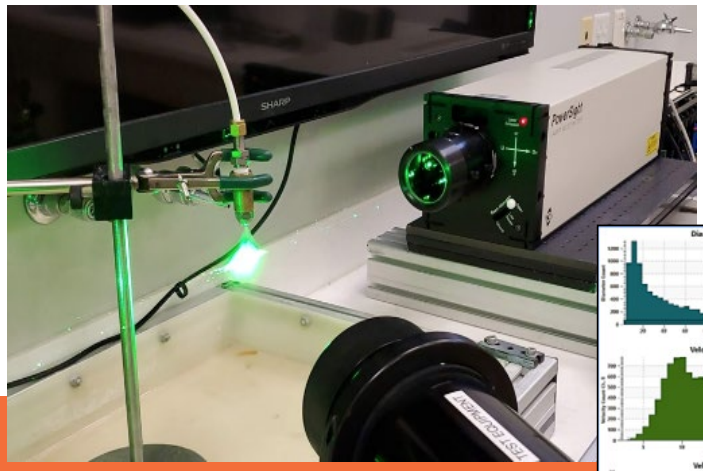


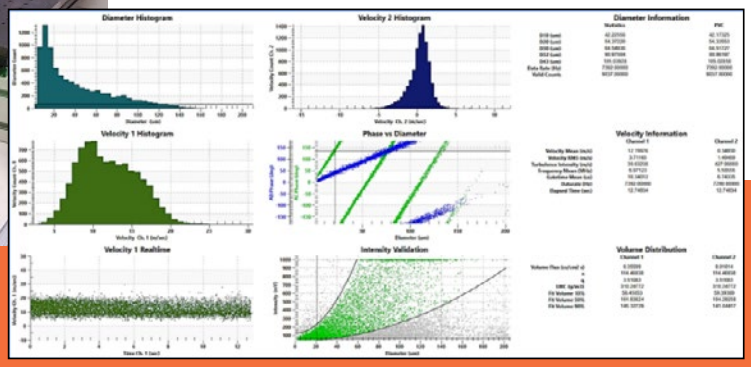
Streamlined Process for Acquisition, Processing and Visualization
The easy-to-use and intuitive ribbon bar intuitively separates the different functions of the software depending on what phase of data management you are on, from acquisition to processing and finally to visualization of the results.











Specifications

FSA BurstPro™ Flow and Particle Analysis Software

Modular Software Platform

The modular format of the software offers you the flexibility to purchase the necessary modules to meet your measurement requirements and budget.

The Base Software package includes single-channel LDV data acquisition, processing and visualization. Select additional add-ons as needed for increased measurement capabilities.

Base Software

Includes single channel LDV measurement and processing capability

Multi-channel LDV Add-on:

Adds multiple channel LDV measurement and processing capability (requires additional hardware)

Advanced LDV Processing Add-on:

Includes the ability to perform advanced LDV processing such as power spectrum, and etc.

PDPA Diameter Add-on:

Adds the ability to perform particle diameter measurement and processing

Rotating Machinery Input Add-on:

Adds the ability to synchronize the LDV/PDPA data capture with external triggering, once-per-rev, and rotating machinery resolvers

Analog Input Add-on:

Adds the ability to measure up to 4 additional signals from external sources, timestamped with the LDV/PDPA measurements

Specifications are subject to change without notice.

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USA	Tel: +1 800 874 2811	**India**	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	**China**	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	**Singapore**	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		

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