

PULSAR 2.0

SERVOTEST

TEST AND MOTION SIMULATION

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Pulsar 2.0 Software Release

Servotest is excited to announce the release of Pulsar 2 software*, featuring several productive enhancements:



ONLINE UPDATES

- USB 3.0: Supports 'Super-Speed' data transfers.
- Windows 11: Fully supported operating system with enhanced security features.
- 64-bit Architecture: Offers higher speed, improved performance, better multitasking, and greater compatibility and security.
- MATLAB 64-bit: Delivers higher speed, improved performance, better multitasking, and greater compatibility and security.
- Time Weighting: Enhances stability, reliability, noise reduction, and overall productivity.
- ICS Subsystems: Provide higher speed, improved performance, and supports multitasking/parallel processing.
- Web API: Allows for remote interaction with the test system and the ability to run third-party analysis software.
- Online Updates: Enable software updates through the app (with an internet connection), enhancing diagnostics and support functions.

Ease of Use Enhancements and GUI customization options, such as :

- Projects : For improved data management tools for multiple system configurations
- Signal Groupings, Signal Selector & Project Panels

xDAP 2.0 Software**

- Broad support for popular DAQ formats and standard data exchange file types.
- Intuitive new features such as shortcuts, drag-and-drop loading, multi-channel processing, and cross-file analysis (e.g., transfer functions).
- Comprehensive tools for time and frequency domain analysis, including Short-Time Fourier Transform (STFT), Power Spectral Density (PSD) error analysis, cross-correlation, and various statistical functions.
- Powerful editing capabilities, including envelope preview, tapering, cut/discard, time compression, polynomial trend removal, and point editing.
- Easy integration with external libraries (e.g., FFTSharp, NumPy, SciPy, OpenCV) for advanced processing.
- Option for built-in fatigue analysis (Rainflow, Level Crossing) with more tools in development.
- Option for macro recording and scripting support in both Python and C#, allowing for automation and customization of workflows.

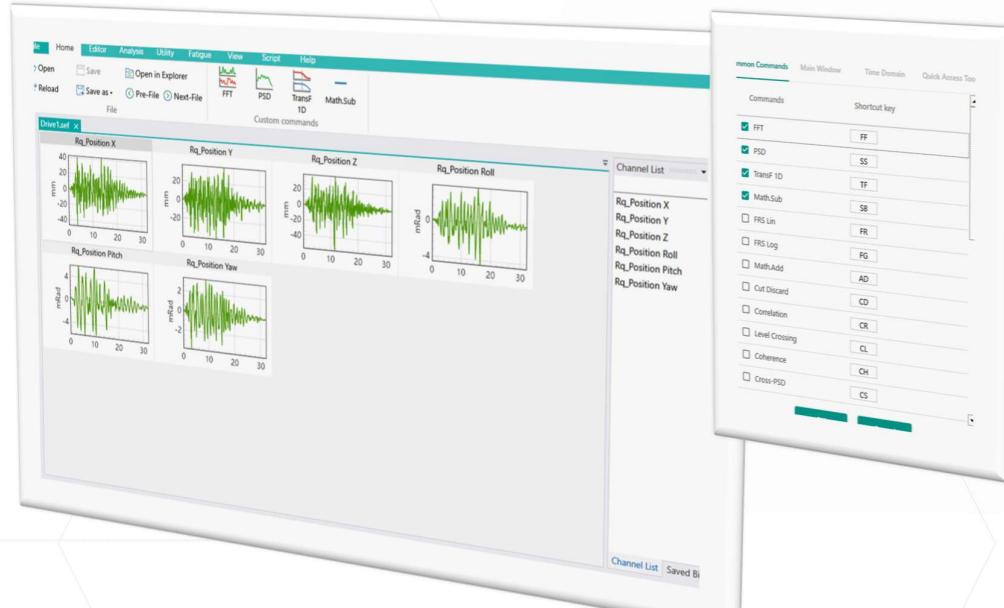
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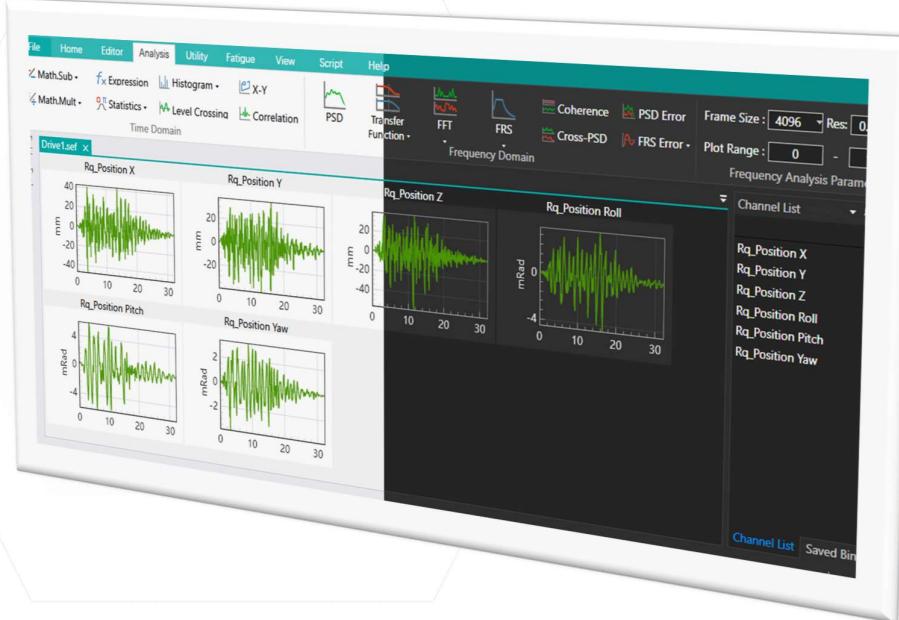
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- A modern user interface featuring Fluent-style ribbon menus and a customizable Quick Access Toolbar.



- Support for light and dark themes to improve usability in various working environments.



- Fully supports shortcut customization and local language paths for increased accessibility.

*Pulsar 2.0 software is available to all customers with a current Software Maintenance Contract.

**xDAP 2.0 software is available as an upgrade to all customers with sDAP software.