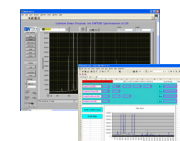
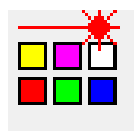


Portable Raman System Software

A Full Range Suite of Software Packages Delivering the Solution You Need



Software	BWSpec®	BWID®	BWIQ®	BWAnalyst®	Vision©	Software Development Kit
Capabilities	-General instrument control software for spectral data collection and manipulation -Spectroscopic analysis including peak analysis, preprocessing and trending	-Material identification via B&W Tek libraries and user-defined libraries - 21 CFR Part 11 compliant version available	-Chemometric model building for quantitative regression & classification analysis with advanced preprocessing tools	-Dedicated 21 CFR Part 11-compliant operation and quantitative prediction software for the QTRam® -Easy workflow for data acquisition and quantitative method building with models from BWIQ	-Data acquisition, Quant modeling, routine analysis and real-time prediction -21 CFR Part 11-compliant version available	-Custom spectroscopic instrumentation software development kit for laser and spectrometer control, data acquisition, calibration, and module synchronization
Features	-Data collection, with timeline trending -Raman data acquisition and image capture with microscope -Spectral math, baseline correction, smoothing	-“Match vs. No Match” and “Pass vs. Fail” results -Configurable results reports -Diagnostic tests and reporting -e-signature -Audit trail	-Methods for classification and regression including PLS, PCA, PLS-DA and SVM -Data preprocessing algorithms -Outlier detection tools	-Method validation -Quantitative prediction -E-signature -Report generation -System performance tests as per USP <858>	- Identification, qualification, and quantification methods -Collect, manage, reprocess, store and exchange data - Audit trail -Diagnostics database with all performance data	-Detailed function calls to DLLs for all B&W Tek laser, spectrometers and systems -USB and RS232 interfaces -User manual and programming examples -Advanced packages with data processing algorithms and chemometric model support for full control of Raman systems
Applications	-Dedicated workspaces for Raman and for UV/Vis/NIR spectral analysis -Raman spectroscopy data acquisition, Peak trending -Color testing -Spectral irradiance	-Material identification with B&W Tek and user-defined Raman libraries -Through package identification with STRam (STID algorithm)	-Quantitative and classification model building -Portability of model files for prediction in BWAnalyst and Vision software	-Quantitative prediction of content uniformity and blend uniformity by transmission Raman	-Full data collection, modeling and management software in secure database -Real-time quantitative analysis	-Spectroscopic-based applications with custom features
Systems	B&W Tek spectroscopic instruments and modules	i-Raman® Plus / Pro / Prime /STRam	Spectroscopic data from B&W Tek and other instruments	QTRam®	i-Raman Series, PTRam, Metrohm NIR Systems	Spectrometer modules, OEM systems, Raman systems, OEM handheld Raman systems