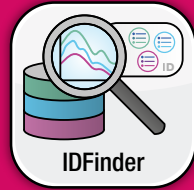




IDFinder

The HORIBA solution for spectral identification

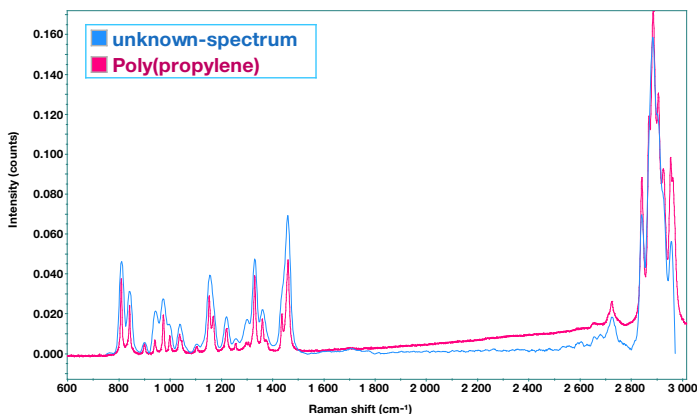
One click instant identification for single and multi-component search



IDFinder enables the effortless creation and management of libraries, and identification of components from their Raman spectra in less than 100 milliseconds per spectrum. All LabSpec6 Apps can now benefit of this user-friendly tool for identification of unknown materials. Experience the freedom of a permanent license and ensure continuous access to your custom libraries for all your applications.

Transform your analysis with advanced spectral comparisons

- Identify single spectrum in a single click with instant and accurate matches according to the libraries selected .
- Tailor easily your comparisons with IDFinder's Hit Quality Index (HQI), gaining unparalleled insights that redefine the possibilities of your analytical workflow.



▲ Single component search results

HQI	Name	Library	Overlay	Subtract
90.58	Poly(propylene)	PF_microplastics_polym...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
77.59	Nylon 6-6	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
77.21	Cotton	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
75.31	Poly(ethylene)	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
74.84	Rubber	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
60.65	Polyepoxyde	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
58.52	Silicone	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
53.87	Poly(methyl methacrylate)	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
51.09	Polyacrylad	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>
49.47	Polyvinyl chloride	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>

Validate Match Search again

▲ Search settings

Search mode Single component Multi component

Active libraries
PF_microplast... PF_microplast...

▲ Advanced settings

Search metric Correlation SAM NS3

Peak intensity(%) 20

Region search

▲ Library building

Add spectrum

▲ Multiple component search results

Weight	Name	Library	Overlay	Subtract
60.00	Poly(ethylene)	PF_microplastics_polym...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40.00	Poly(propylene)	PF_microplastics_polym...	<input type="checkbox"/>	<input type="checkbox"/>

Validate Match Search again

▲ Search settings

Search mode Single component Multi component

Active libraries
PF_microplast... PF_microplast...

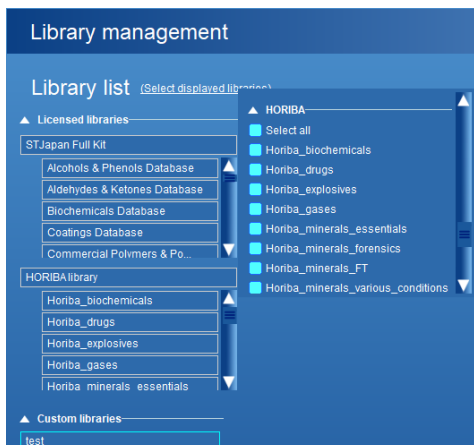
▲ Advanced settings

Number of components 2 Auto

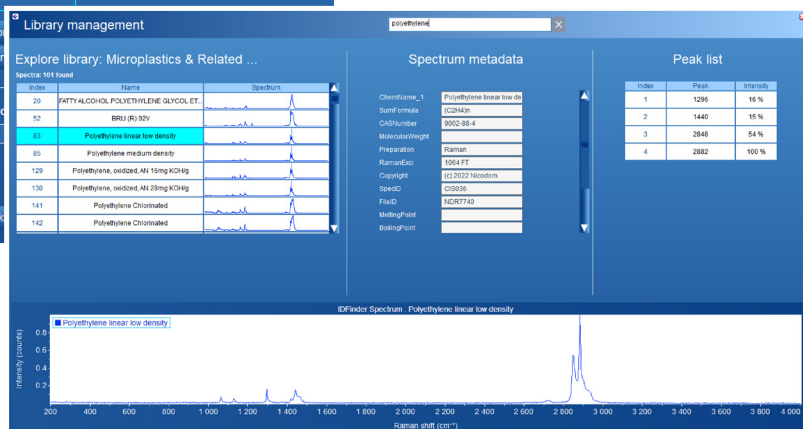
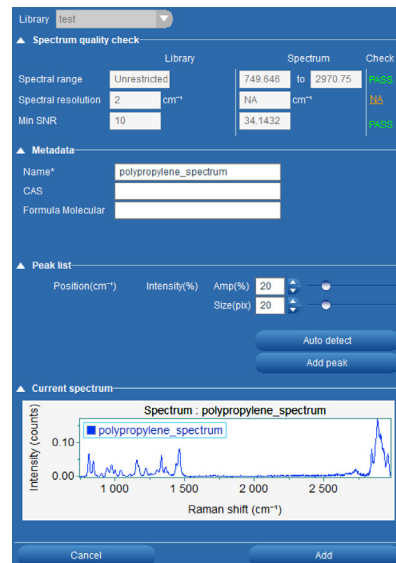
Search method constrained Imm

▼ Library building

- Obtain your spectral decomposition and identify individual components within the mixture with just one click. Effortlessly access composite spectra components, streamlining your workflow and providing rapid insights into your sample composition.

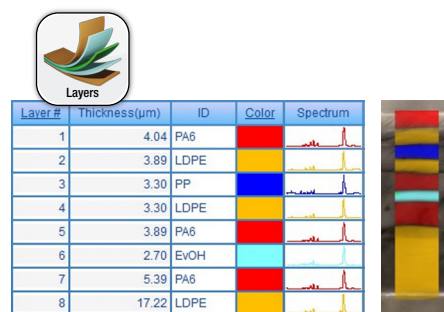
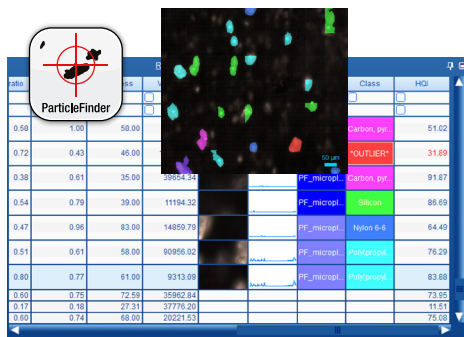
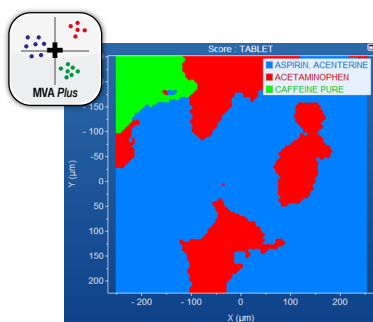


- Choose the package that suits your needs: Starter Kit (12,000 spectra) or Full Kit (26,000 spectra).
- Combine commercial (ST Japan & HORIBA) and open access libraries (SLoPP & SLoPP-E*) with your self-built libraries to perform the most precise and reliable identification.
- Navigate through your libraries with efficiency using IDFinder's management functionalities.



- Embrace efficiency in your spectral investigations directly in LabSpec 6 software modules for streamlined operations:

* Libraries curated by Rochman Lab, University of Toronto. Munno et al., 2020. Analytical Chemistry, 92(3), 2443-24.



Map component loadings are automatically labeled by IDFinder for more detailed results and presentation.

Elevate your particle detection and characterization workflow to high throughput solutions with IDFinder instant particle-by-particle spectral identification in ParticleFinder.

Combine Layers and IDFinder to easily characterize any multilayered structure with automatic determination of the chemical nature and thickness of each layer.

IDFinder revolutionizes your LabSpec6 experience, seamlessly guiding you through library selection, creation, and management and automatically allows the identification of unknown materials to make the entire process powerful and effortless.

HORIBA

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