Get More Power With JADE Pro

JADE is available in Pro and Standard

JADE FEATURE LIST	Pro	1	2A	2B	3
Intuitive, State-of-the-Art UI	✓	✓	✓	✓	✓
Reads All Vendor Pattern Files	✓	✓	✓	✓	✓
Smart Column Data Importer	✓	✓	✓	✓	✓
Merge Multi-Scans/Segments	✓	✓	✓	✓	✓
1, 2 and 3D Pattern Overlay	✓	✓	✓	✓	✓
Déjà Vu ID Similar Pattern Files	✓	✓	✓	✓	✓
Handles Variable/Fixed-Slit Data	✓	✓	✓	✓	✓
Multiple Display Axes and Any Diffraction Wavelength	✓	✓	✓	✓	✓
Zero Offset Correction and Theta Calibration	✓	✓	✓	✓	✓
Background Fitting/Batch Fitting/Removal	✓	✓	✓	✓	✓
Auto Peak Search and Multi-Filter Search	✓	✓	✓	✓	✓
Wide Variety of Report and Print Options	✓	✓	✓	✓	✓
Includes Starter Database	✓	✓	✓	✓	✓
ICDD PDF Database Access (as well as other databases)	✓	✓	✓	✓	✓
Multitude of Data Choices for Database Retrieval	✓	✓	✓	✓	✓
View Crystal Structures and Reflection Planes	✓	✓	✓	✓	✓
View Polyhedra, Calculate Bond Distances and Angles	✓	✓	✓	✓	✓
Simulate Powder Patterns from Crystal Structures	✓	✓	✓	✓	✓
Individual Analyst/Shared Work Environments	✓	✓	✓	✓	✓
Support for Custom d-I% list for Phase Overlay	✓	✓	✓	✓	✓
Excellent Profile Fitting and Batch Profile Fitting	✓	✓	✓	✓	✓
RIR Quant, Size & Strain and Residual Stress	✓	✓	✓	✓	✓
Direct-Derivation Method in Quantitative Analysis	✓	✓	✓	✓	✓ NEW
Line-Based Unit Cell and Batch Refinement	✓	✓	✓	✓	✓
Structure Database Manager	✓	✓	✓	✓	✓
Profile Based Search/Match (S/M)	✓	✓			✓
Subfile + Chemistry + Unit Cell Filters in S/M	✓	✓			✓
Minor and Trace Phase ID	✓	✓			✓
Single Peak and Severely-Orientation S/M	✓	✓			✓
Solid-Solution and Isotypical Phase ID	✓	✓			✓
Auto-S/M in background thread on loading a pattern file	✓	✓		✓ NEW	✓
Full pattern S/M on PD3 phases by correlation & similarity	✓	✓		✓ NEW	✓
WPF and Rietveld Refinement (Unlimited Phases)	✓		✓	✓	✓
Gold Standard Quantitative Analysis	✓		✓	✓	✓
Seamless Integration with Database Retrieval	✓		✓	✓	✓
Auto-Loading of Structure Data from Database	✓		✓	✓	✓
Combination of Phases with/without Structure Data Weight%	✓		✓	✓	
Linking of Unit Cell, Phase Broadening Parameters	✓		✓	✓	
Custom d-I% (hkl, FWHM, Skew) to Fit Clay Phases	✓		✓	✓	
March-Dollase and Spherical Harmonics Orientation Function	✓		✓	✓	
Amorphous Content with/without Internal Wt% Standards	✓		✓	✓	
Atomic Occupancy and Bond Distance Constraints	✓		✓	✓	
Polynomial and Spline Curve Background Fitting	✓		✓	✓	

All levels of JADE Standard are perpetual licenses, and sold without benefit of updates or any of JADE Pro's extensive set of extra features like the ability to share a license. Since it is a subscription, JADE Pro has a lower buy-in than JADE Standard.

If you have JADE Classic, there still may be trade-in value for your JADE Classic towards the purchase of a current version of JADE Standard or JADE Pro.

Additional JADE Feattures Only Available in JADE Pro	Pro
One-Click-Analysis™ - Phase ID and WPF/Rietveld Analysis	✓
Size and Strain Analysis (Warren-Averbach & Williamson Hall)	✓
Pattern Indexing (All Crystal Systems)	✓
Simulate Series of Powder Patterns from Crystal Structures	✓
WPF and Rietveld Refinement Batch Processing	✓
Rietveld Structure Refinement (Atomic Parameters)	✓
Atomic Occupancy and Bond Distance Constraints	✓
Fourier Map Tools	✓
Ab Initio Tools (Charge Flipping +)	✓
Cluster Analysis of Powder Patterns	✓
Floating (Shareable) Network License	✓
All Updates via Subscription	✓
Extract Patterns from Area Detector 2D Images	✓
Digitize Any XRD Plot Image	✓
Cluster Analysis Visualization Dendrograms	✓
Toolkit App Version of ClaySim	✓
Toolkit App for Microstructure Analysis	✓
Toolkit App for Structure Solver Workflow	✓
Laue Simulations and Visualization	✓
Toolkit App for Simulated Annealing	✓ NEW
Toolkit App for Regression Analysis	✓ NEW
Toolkit App for Pattern Matching	✓ NEW
Toolkit App for 3D Scatter Plot	✓ NEW

Multiple Languages!

To better support diverse teams sharing a license of JADE Pro across their organization and to ensure consistent results regardless of language, JADE can switch on the fly to Chinese or Japanese languages.

COMPARE