Get More Power With **JADE** Pro

JADE is available in Pro and Standard. The different levels of JADE Standard are all perpetual licenses and sold without regular updates or any of JADE Pro's extensive set of extra features or the ability to share a license. Because 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.

JADE Pro			**JADE** Standard 2B	**JADE** Standard 3
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	■		■	■
One-Click Phase ID and WPF/Rietveld Analysis	■			
Size and Strain Analysis (Warren-Averbach & Williamson Hall)	■	NEW		
Pattern Indexing (All Crystal Systems)	■			
Simulate Series of Powder Patterns from Crystal Structures	■			
WPF and Rietveld Refinement Batch Processing	■			
Rietveld Structure Refinement (Atomic Parameters)	■			
Fourier Map Tools	■			
Ab Initio Tools (Charge Flipping +)	■			
Cluster Analysis of Powder Patterns	■			
Floating (Shareable) Network License	■			
Future Feature Updates via Subscription	■			
Extract Patterns from Area Detector 2D Images	■			
Digitize Any XRD Plot Image	■	NEW		
Cluster Analysis Visualization Dendrograms	■	NEW		
Toolkit App Version of ClaySim	■	NEW		
Toolkit App for Microstructure Analysis	■	NEW		
Toolkit App for Structure Solver Workflow	■	NEW		
Laue Simulations and Visualization	■	NEW		

JADE Pro		**JADE** Standard 1	**JADE** Standard 2A	**JADE** Standard 2B	**JADE** Standard 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 and Others	■	■	■	■	■	
Multitude of Data Choices for Database Retrieval	■	■	■	■	■	
View Crystal Structures and Reflection Planes	■	■	■	■	■	
View Polyhedral, 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	■	■	■	■	■	
Line-Based Unit Cell and Batch Refinement	■	■	■	■	■	NEW
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	■		■		■	

Multiple Languages!

To better support diverse teams who share 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.