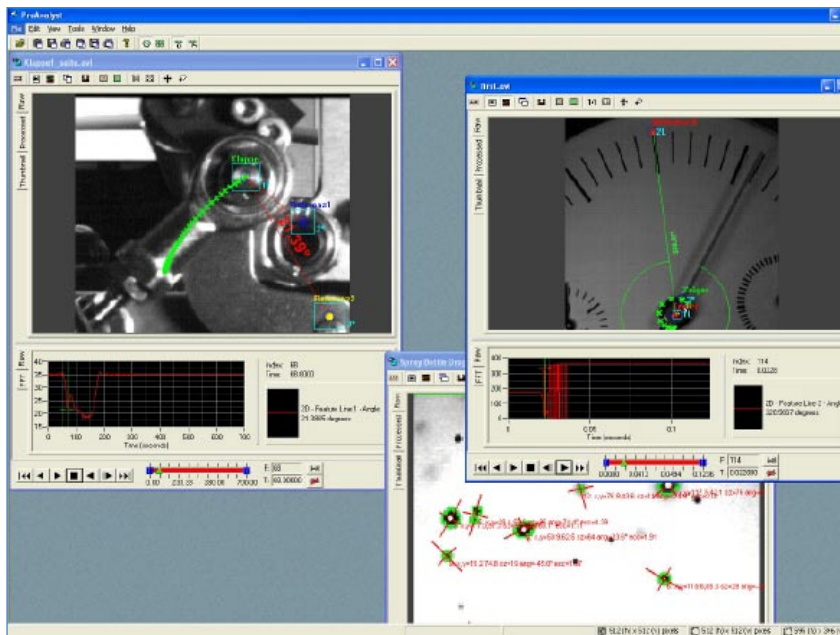


## ProAnalyst

Advanced Software for analyzing and reporting motion from video



### Snapshot

- Automatic 1D, 2D or 3D\* object tracking (\*optional)
- Video processing and filtering
- Enhanced data analysis (Timeline / Graphing FFT, etc.)
- Work note and video drawing functions
- File and project manager
- Report generator (HTML, Power-Point, Print)
- Free player software available

### Applications

- Machinery / Plant Construction
- Manufacturing / Packaging
- Product Development / Testing
- Research / Technical Education
- Biomechanics / Sports



To download a free trial version, please visit [www.xcitex.com](http://www.xcitex.com)

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# ProAnalyst – Specifications

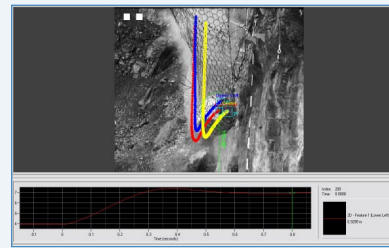
## Fundamental Steps of Motion Analysis



Scene Calibration



Image Processing / Filtering



Object Tracking / Data Analysis

## Motion Analysis Tools

- 1D Featureless Tracking
- 2D Feature Tracking
- 3D Spatial Analysis
- Particle Flow Counting and Sizing, Image Stabilization, Contour/Edge Analysis, Cell Tracking (optional toolkits)

## Report Generator

- Automatically generates reports based on video, date, analysis and notes
- Outputs results to HTML, PowerPoint or Print formats
- Creates reports in Word, Excel or other common processing applications

## Free Viewer

Application for viewing ProAnalyst projects and analysis  
Free download from [www.xcitex.com](http://www.xcitex.com)  
Limited functionality - just for viewing

## ProAnalyst - Editions

- Standard version is a collection of tools for general purpose 1D, 2D and 3D motion analysis
- Professional Edition with optional toolkits
  - 3D Professional Edition
  - Lite Edition

## ProAnalyst - Licence Types

- Single-seat Workstation Licensing
- Multiple-seat Network Licensing for multiple users

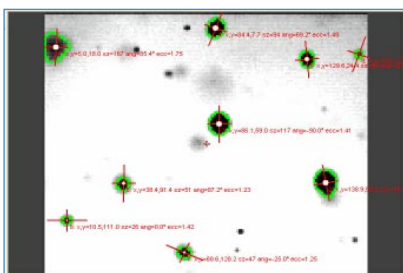
## Free Trial Version



@ [www.xcitex.com](http://www.xcitex.com)

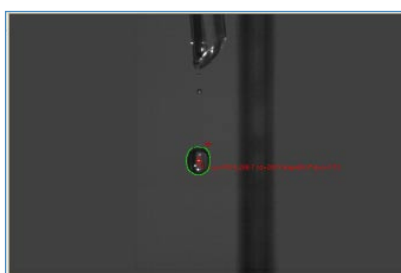
Note: Specs are subject to change at any time. February 09

## Particle Flow, Counting and Sizing



- Designed for airflow, particulate and other analysing small particles
- Ideal for PIV applications
- Inhalers, fuel injectors, etc.

## Contour / Edge Analysis (Blobs)



- Analyze changes in shape, size and position on a scale
- Airbags, water drops, amorphous shapes

## Image Stabilization



- Remove unwanted shake or vibration in a video image
- Can be combined with any analysis toolkit



## ProAnalyst

### Advanced Software for analyzing and reporting motion from video

Features	3D Professional	Professional	Lite	TrackOne
<b>File Management</b>				
AVI, AVI 2.0, MPG, MOV, CIN movie file compatibility	x	x	x	x
BMP, JPG, TIFF image sequence compatibility	x	x	x	x
Project-based file management	x	x	x	x
Video Explorer	x	x	x	
Workspace View file browser	x	x	x	
Pack/Unpack Projects	x	x	x	
<b>Image Calibration and Processing</b>				
3D Manager	x			
Image processing	x	x	x	x
Image filtering	x	x		
Video Timeline	x	x	x	x
Layered display and editing	x	x	x	x
2D scene calibration	x	x	x	x
Perspective and multi-plane scene calibration	x	x	x	
3D scene calibration	x			
Lens distortion correction	x	x		
<b>Video Analysis</b>				
1D feature tracking	x	x		
2D feature tracking	x	x	x	x
3D feature tracking with epipolar line projection	x			
Number of Auto-Track Features	unlimited	unlimited	32	1
Number of Manual Track Points	unlimited	unlimited	32	32
Measurements of feature position and velocity	x	x	x	x
Real-time annotations of distance and angle between features	x	x	x	
Optional toolkits	available	available		
<b>Graphing and Computation</b>				
Graphing within ProAnalyst	x	x	x	
One-click FFT	x	x		
2-axis graphing	x	x		
3-axis graphing to compare three features	x	x		
3D graphing and modeling in x, y, z space	x			
Data Filtering	x	x		
<b>Notes and Reports</b>				
External data import	x	x	x	
Tracking data export to DIAdem, Excel, MATLAB	x	x	x	x
Video frame, data point and global notes	x	x	x	
Image annotation	x	x	x	
HTML, PowerPoint and print-ready report generator	x	x		

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ProAnalyst is available in four editions: 3D Professional, Professional, Lite and TrackOne.  
 All four editions use the same advanced algorithms and technology.