

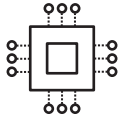


# FJDTrion™ MODEL

POINT CLOUD PROCESSING SOFTWARE

# MAKE POINT CLOUD EASY TO USE

Experience easy point cloud data manipulation and analysis with FJD Tion Model, featuring a user-friendly interface and advanced algorithms. The software provides an all-in-one solution with integrated modules for forestry, drawing, robot mapping, and site survey, streamlining the data import and analysis process. Choose FJD Tion Model for versatile, efficient, and high-level integration point cloud processing.



Leading SLAM algorithm



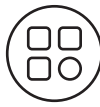
Easy to use



Stable and reliable



Multiple data sources



Diverse industry applications



Automated workflow



## WORK FLOW

### 01

#### Capture

Use handheld, static, UAV, and car-mounted scanners for efficient data capture.

### 02

#### Process

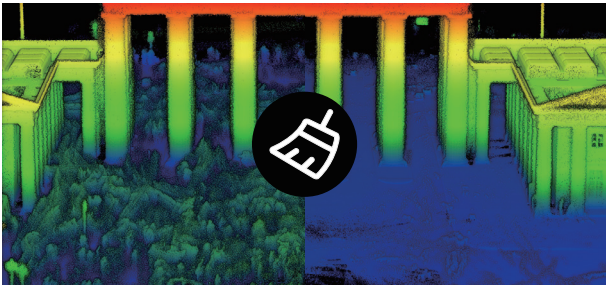
Support las, e57, ply, and pts formats for further processing.

### 03

#### Deliver

Deliver reports on volume calculation, forestry research, and floor plans for quick decision-making.





### Moving Object Removal

Efficiently delete moving objects like vehicles and pedestrians from point clouds.



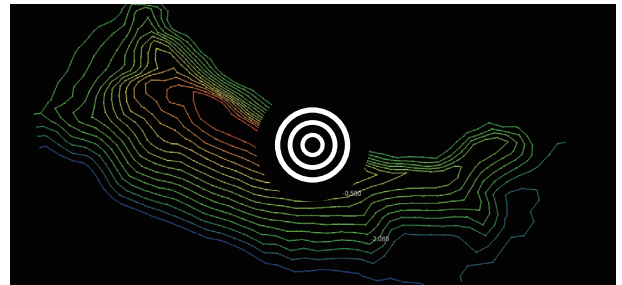
### Point Cloud and Image Fusion

Display both point cloud data and panoramic images on one screen for an immersive viewing experience.



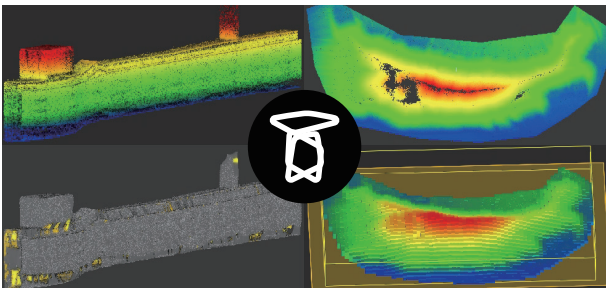
### Fly-through Video Creation

Create fly-through videos based on point cloud data scanned in the scene to reflect the reality details.



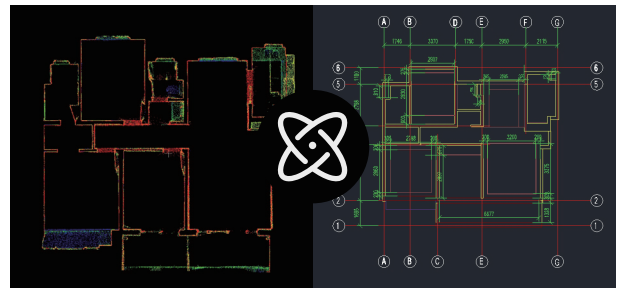
### Topographic Drawing

Reflect the topographic elevation by quickly drawing contour lines.



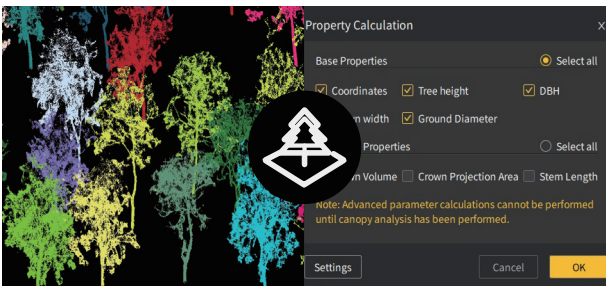
### Grids Volume Calculation

Calculate the volume of objects with ease, making stock-taking and auditing much easier.



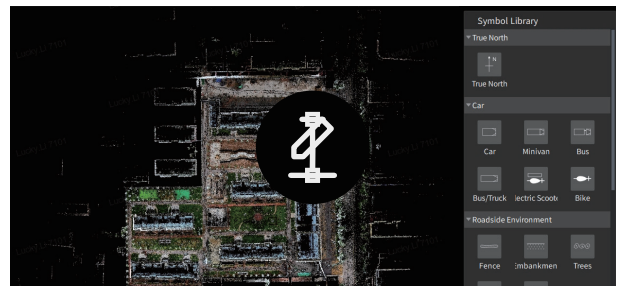
### 2D Graphic Drawing

Create 2D drawings by automatically extracting contour lines or manually drawing vector lines.



### Forestry Surveying

Generate data such as tree height, crown diameter, DBH, and volume for analysis in forestry surveys.



### Public Safety

Draw base maps quickly with symbol libraries and annotations, simplifying on-site fieldwork for traffic, fire safety, and criminal forensics.

# PLANS

Features	Basic version	Drawing version	Forest version	Site Survey version	Pro version	Robot version
Point Cloud Mapping	●	●	●	●	●	●
Point Cloud Colorization	●	●	●	●	●	●
RTK Registration	●	●	●	●	●	●
Orthophoto	●	●	●	●	●	●
Moving Object Removal	●	●	●	●	●	●
Rectification	●	●	●	●	●	●
Delete outliers	●	●	●	●	●	●
Point Cloud Registration	●	●	●	●	●	●
Subsample	●	●	●	●	●	●
merge	●	●	●	●	●	●
Coordinate Transformation	●	●	●	●	●	●
Elevation Fitting	●	●	●	●	●	●
Accuracy Verification	●	●	●	●	●	●
Density Measurement	●	●	●	●	●	●
Profile Analysis	●	●	●	●	●	●
Clip by Path	●	●	●	●	●	●
Classification	●	●	●	●	●	●
riangular Mesh	●	●	●	●	●	●
Contours	●	●	●	●	●	●
Grids Volume	●	●	●	●	●	●
Clipping Box	●	●	●	●	●	●
Queue Processing	●	●	●	●	●	●
Fusion	●	●	●	●	●	●
Linkage	●	●	●	●	●	●
RGB Renderng	●	●	●	●	●	●
Slice Plane		●			●	
Drawing Management		●			●	
Extract Contours		●			●	
Graphic Drawing		●			●	
Graphic Editing		●			●	
Measurement and Dimensions		●			●	
Extract Grounds			●		●	
Segment by Tree			●		●	
Tree Editing			●		●	
Storage Capacity			●		●	
Crown Analysis			●		●	
Tree Species Indentification			●		●	
Report			●		●	
Base Map				●	●	
Draw				●	●	
Marking				●	●	
Measure				●	●	
Report				●	●	
Pedestrian and Debris Noise Filtering						●
Map Creation						●
Coordinate Transformation						●
Choosing Waypoints						●

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