

# FJD TRION MODEL

POINT CLOUD POST-PROCESSING SOFTWARE

# MAKE POINT CLOUD EASY TO USE

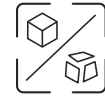
Experience easy point cloud data manipulation and analysis with FJD Tion Model, featuring a user-friendly interface and advanced algorithms. The software provides an all-in-one solution with integrated modules for forestry, drawing, and robot mapping, streamlining the data import and analysis process.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



**Diverse Data Sources**



**Profile Analysis**



**Volume Calculation**



**Auto Classification**



**Auto Contour Extraction**



**Forestry Parameters**

## WORK FLOW

**01**

### Scanning(external)

Both Static and Mobile  
Laser Scanner

**02**

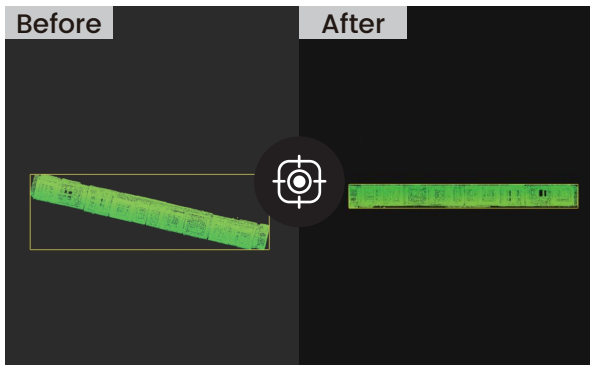
### Point Cloud Processing

Import into Fjd Trion Model, Clean Noise, Point Cloud Registration, Georeference Etc.

**03**

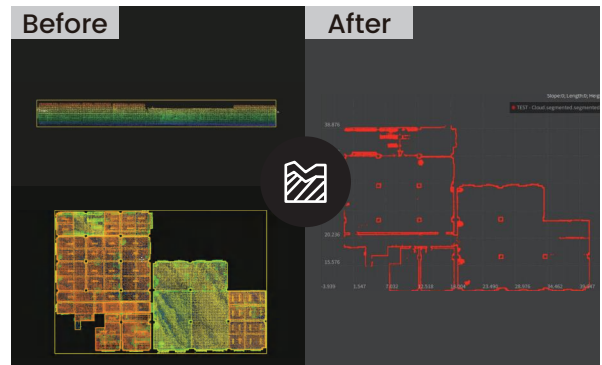
### Delivering Results

Volume Calculation Report, Forestry Property Report, Floor Plans Etc.



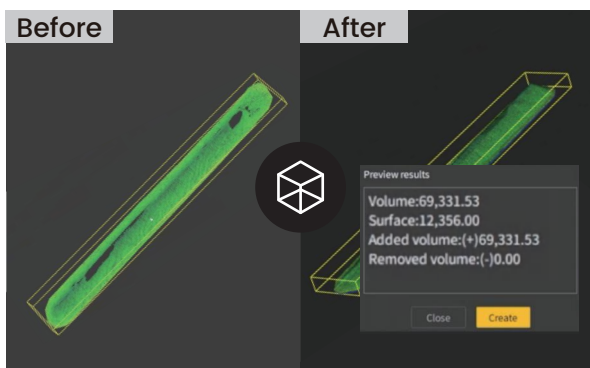
### One-Click Correction

Correct point cloud tilt with a single click.



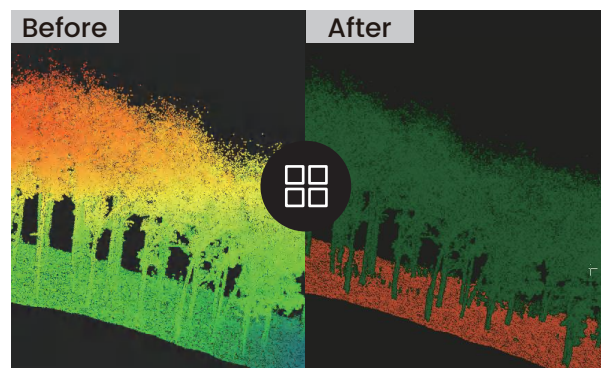
### Profile Analysis

Measure and display multiple cross-sections to evaluate point cloud data quality.



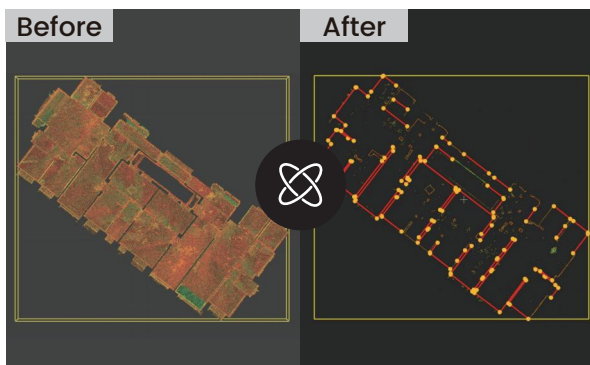
### Volume Calculation

Calculate stockpile and enclosed volumes.



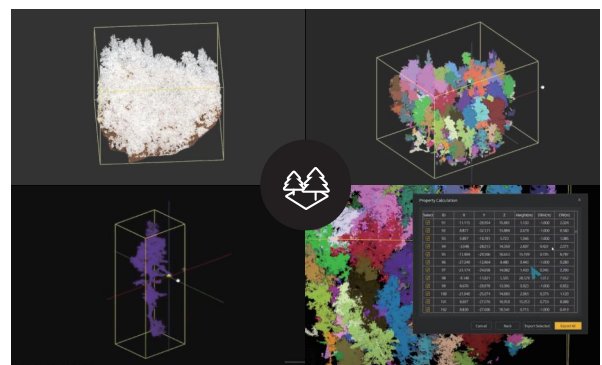
### Auto Classification

Automatically classify point cloud data related to buildings, trees, and geological features for urban planning, forestry, and mineral exploration.



### Auto Contour Extraction

Extract vector contour lines from point cloud data with one click.



### Forestry Parameters

Edit segmentation results to extract tree location, height, and crown width, and batch-extract attributes to create reports that provide valuable forest survey, management, and planning insights.

# PLANS

Function	Basic version	Drawing version	Forest version	Pro version	Robot version
Point Cloud Mapping	✓	✓	✓	✓	
Rectification	✓	✓	✓	✓	
SOR Filter	✓	✓	✓	✓	
MLS	✓	✓	✓	✓	
Point Cloud Registration	✓	✓	✓	✓	
Merge	✓	✓	✓	✓	
Coordinate Translation	✓	✓	✓	✓	
Point Cloud Colorizatio	✓	✓	✓	✓	
RTK-based Registratio	✓	✓	✓	✓	
Accuracy Verification	✓	✓	✓	✓	
Profile Analysis	✓	✓	✓	✓	
Subsample	✓	✓	✓	✓	
Cluster	✓	✓	✓	✓	
Clip By Path	✓	✓	✓	✓	
Classification	✓	✓	✓	✓	
Triangular Mesh	✓	✓	✓	✓	
Volume Calculation	✓	✓	✓	✓	
Clipping Box	✓	✓	✓	✓	
Point Display	✓	✓	✓	✓	
Slice Plane		✓		✓	
Drawing Management		✓		✓	
Extract Contours		✓		✓	
Graphic Drawing		✓		✓	
Extract Ground Point			✓	✓	
Segment By Tree			✓	✓	
Property Calculation			✓	✓	
Pedestrian and Debris Noise Filtering					✓
Automatic Map Snapping					✓
Map Creation					✓
Coordinate Transformation					✓
Choosing Waypoints					✓

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