

FJD TRION MODEL

POINT CLOUD PROCESSING SOFTWARE

MAKE POINT CLOUD EASY TO USE

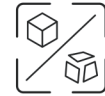
Experience easy point cloud data manipulation and analysis with FJD Tion Model, featuring a user-friendly interface and advanced algorithms. The software provides an all-in-one solution with integrated modules for forestry, drawing, and robot mapping, streamlining the data import and analysis process.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

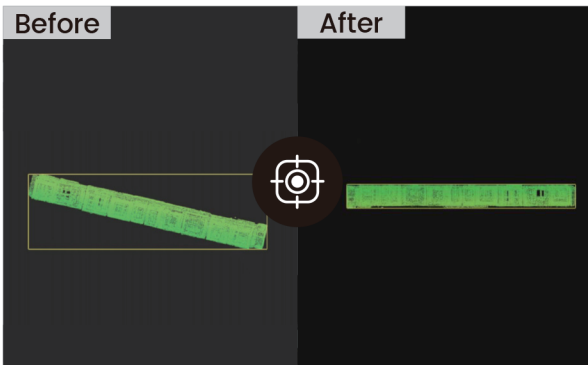
Point Cloud Processing

Import into Fjd Trion
Model, Clean Noise,
Point Cloud Registra-
tion, Georeference Etc.

03

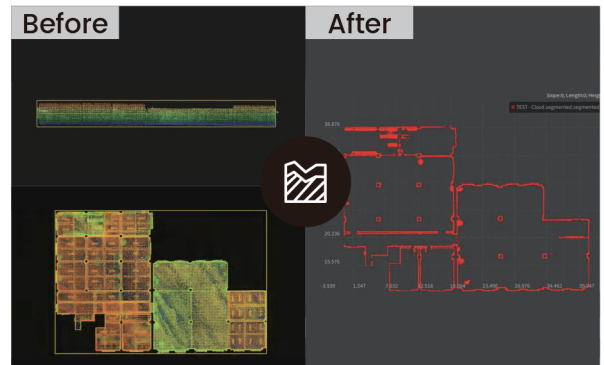
Delivering Results

Volume Calculation
Report, Forestry Prop-
erty Report, Floor Plans
Etc.



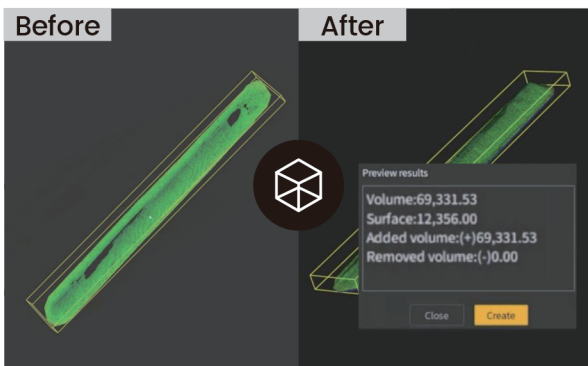
One-Click Correction

Correct point cloud tilt with a single click.



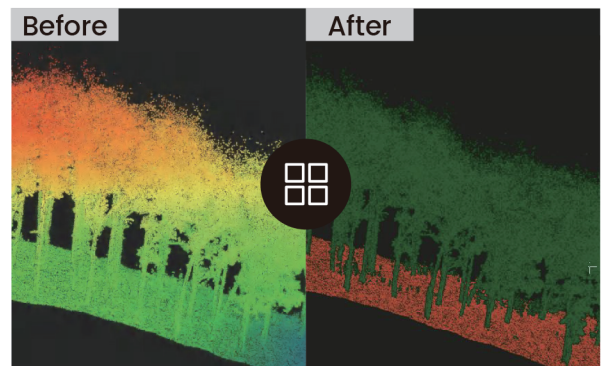
Profile Analysis

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



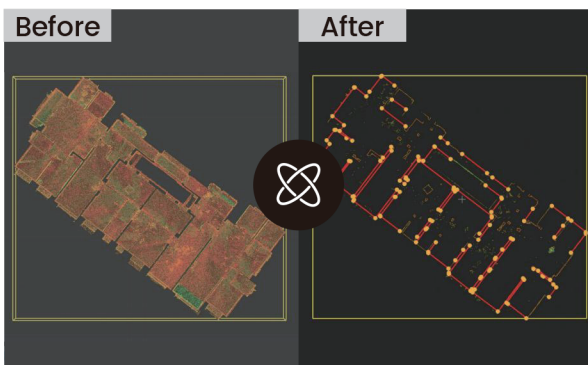
Volume Calculation

Calculate stockpile and enclosed volumes.



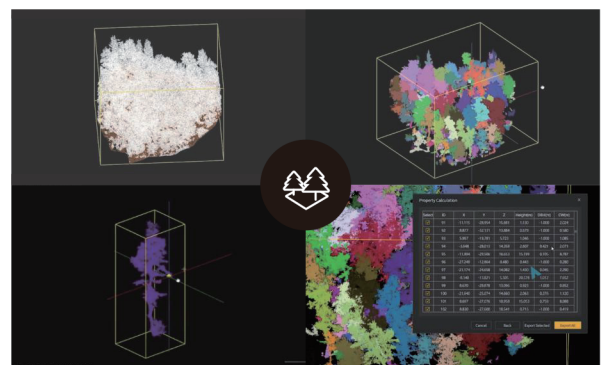
Auto Classification

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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CREATE FOR A BETTER WORLD

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