

New Features in TerraMatch

Arttu Soinen

Software developer

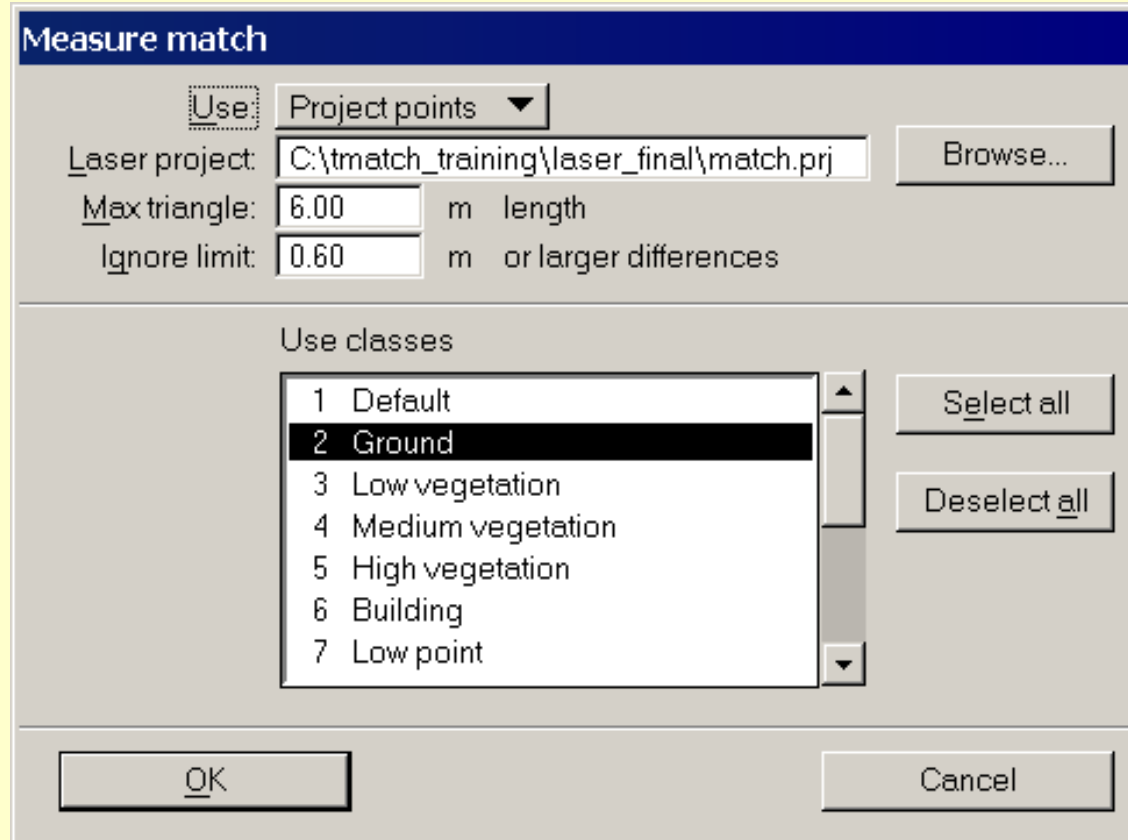
Terrasolid Ltd

Various improvements

- Faster *Find Match* solution with fewer iteration rounds
- *Apply Correction* can now apply a mirror scale correction per flightline
- Faster write speed to external hard disks
- Gets active trajectories automatically from TerraScan

New settings

- **Max triangle** setting for defining largest triangle size considered valid surface
- **Ignore limit** defines maximum dz observation (larger ones will be ignored)
- Same settings in:
 - *Find Match*
 - *Find Fluctuations*
 - *Match Forward and Backward*
 - *Measure Match*



Save intermediate results

- If setting is on, *Find Match* will write corrections after each iteration round
- Helps with long processes:
 - View results and decide if you want to keep TerraMatch running
 - You have intermediate correction values if you decide to kill the task

Find match

Use: Project points ▼

Laser project: C:\lansimetro.prj Browse...

Trajectory dir: G:\lansimetro\trajectory_scan\ Browse...

Correct: All flightlines ▼

Known points: Browse...

Progress: Save intermediate results ▼

Results: c:\backup\ Browse...

Use classes

Class	Weight
1 Default	
2 Ground	Normal
3 Low vegetation	
4 Medium vegetation	
5 High vegetation	
6 Building	

Select all

Deselect all

Observe every: 1 th point

Max triangle: 6.00 m length

Ignore limit: 0.50 m or larger differences

Solve for: Individual lines ▼

<input checked="" type="checkbox"/> Easting shift	<input type="checkbox"/> Easting drift
<input checked="" type="checkbox"/> Northing shift	<input type="checkbox"/> Northing drift
<input checked="" type="checkbox"/> Z shift	<input type="checkbox"/> Z drift
<input type="checkbox"/> Heading shift	<input type="checkbox"/> Heading drift
<input checked="" type="checkbox"/> Roll shift	<input type="checkbox"/> Roll drift
<input type="checkbox"/> Pitch shift	<input type="checkbox"/> Pitch drift
<input type="checkbox"/> Mirror scale for whole	

OK Cancel