GLS-2000
FORENSIC SCENE INVESTIGATION
AND RECONSTRUCTIONIST SOLUTION
Forensic Scene Investigation and Reconstructionist Solution

- Customizable 3D scanning
- Highest quality point clouds with lowest noise
- Full-dome scanning range
- Intuitive on-board software
- Easy and accurate registration methods

### System Performance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard Mode</th>
<th>High Speed Mode</th>
<th>Low Speed Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum range at specified reflectivity</td>
<td>350 m at 90%</td>
<td>210 m at 90%</td>
<td>210 m at 90%</td>
</tr>
<tr>
<td>Single Point Accuracy</td>
<td>Distance</td>
<td>Angle</td>
<td></td>
</tr>
<tr>
<td>- 3.5 mm (1-150 m), 1°</td>
<td>6°</td>
<td></td>
<td></td>
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<tr>
<td>Target Detection Accuracy</td>
<td>3° at 50 m</td>
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</tbody>
</table>

### Laser Scanning System

- Type: Pulse (time of flight); Precise Scan Tech II
- Laser Class: 3R (High Speed / Standard), 1M (Low Power)
- Scan Rate (High Speed): Up to 120,000 pts/sec
- Spot Size: 4 mm at 20 m (FWHM)
- Scan Time and Resolution (pre-set intervals at 10 m):
  - Interval: 50 mm, 25 mm, 12.5 mm, 6.3 mm, 3.1 mm
  - Time: 00:20, 00:40, 00:53, 01:49, 07:44, 01:47, 03:37, 26:44, 01:17, 01:49, 03:37, 1:26, 1:28, 01:49, 03:37, 1:26, 1:28

### Physical and Environmental

- Operation Temperature: -5°C to 45°C
- Storage Temperature: -20°C to 60°C
- Dust/Water Rating: IP54
- Weight: 11 kg with batteries and tribrach

### Processing point cloud data

Topcon’s graphical ScanMaster software supports importing, viewing, and processing of collected point cloud data. An intuitive full solution providing multiple time-saving tools for registering and geo-referencing.

### Extracting objects

Tools for creating and editing objects such as polylines, meshes, edges, and planes are easily accessed. The selection tools are especially useful for isolating individual pieces of evidence such as gouges, tire marks, bullet impacts or tool marks.

### Export to industry applications

Export point cloud data or objects to third-party industry applications using common .PTS file format, or the compact Topcon .CL3 format, making workflows more efficient.