MAGNET COLLAGE

• Mobile and static scan data processed in a single software system
• Combine civil, mapping, BIM, and survey data
• Fast and efficient point cloud processing and rendering
• Extensive projections and geoids support
• Advanced cloud matching and geo-referencing functionality

Bring it all together
MAGNET Collage is a powerful, simple way to combine data. Stay in one software environment to work with both mobile and static scan data.

3D imaging and mass data are seamlessly merged within the processing environment. Pull your mobile mapping, static scanning or point clouds from any source together in one place and easily make the data available to those that need it.

Get more from your data
MAGNET Collage provides a holistic solution to handle and get more value from your data.

The easy-to-use tools in Collage save time and provide for more effective analysis of data from multiple sensors. Collage delivers point cloud processing and mass data handling as much as eight times faster than previously available platforms.
Easily combine scan data sets from multiple applications into one 3D immersive environment.

**Free viewer**
- Open and view any pre-processed GLS, IP-S, or RD-M dataset
- Open and view background map, shapefiles, KMLs, and orthophotos
- Digitize CAD primitives
- Import CAD primitives

**Canvas module**
- Fuse data from multiple sensors
- Create and edit model projects
- Register and georeference model projects
- Create and edit point clouds
- Import and export point clouds
- Export CAD primitives from model projects
- Generate orthophotos

**Trajectory module**
- Required for MMS and RD-M modules
- Estimate vehicle trajectory
- Apply loop closure and GCP corrections

**Scan (GLS) module**
- Create and edit GLS projects
- Process GLS scans and images
- Register and georeference GLS projects
- Import and export GLS scans and images
- Export CAD primitives from GLS projects

**Mobile mapping (IP-S) module**
- Create and edit IP-S runs
- Process IP-S scans, panoramas, and clouds
- Export IP-S trajectories, scans, panoramas, and clouds
- Export CAD primitives from IP-S runs

**RD-M (SmoothRide) module**
- Create and edit RD-M runs
- Process RD-M scans, and clouds
- Export RD-M trajectories, scans, and clouds
- Export CAD primitives from RD-M runs
Mass data made easy
Collage offers an “all-in-one” solution for the complete array of Topcon mass data collection tools. All point clouds and images can be processed, combined and analyzed in one familiar, powerful application.

Combine data
- Mobile mapping
- Static scanning
- Surveying control
- As-built documentation

Extensive projections
- Lat/Lon conversions
- State plane coordinates
- International geoids
- Part of MAGNET

Advanced matching
- Register in sets
- Multiple level registration for complex multi-floor projects
- Simple geo-referencing support

### System Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>64-bit Windows 7, 8, 10</td>
</tr>
<tr>
<td>CPU</td>
<td>Intel Core i7, Xeon (4 cores, 8 threads) or higher</td>
</tr>
<tr>
<td>RAM</td>
<td>DDR3 8GB or higher</td>
</tr>
<tr>
<td>Graphic Card</td>
<td>Nvidia, VRAM 512MB or higher</td>
</tr>
<tr>
<td>Storage</td>
<td>SSD 500GB or higher is recommended</td>
</tr>
<tr>
<td>Monitor Resolution</td>
<td>SXGA (1280x1024) or higher</td>
</tr>
<tr>
<td>Monitor Resolution Dual</td>
<td>Dual monitor is recommended when using FukuCAD (Mercury Evoluto)</td>
</tr>
</tbody>
</table>

### Part Description

<table>
<thead>
<tr>
<th>Part Description</th>
<th>What is Included</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAGNET Collage Canvas Kit</td>
<td>X</td>
<td>X Basic point cloud processing</td>
</tr>
<tr>
<td>MAGNET Collage Scan Kit</td>
<td>X</td>
<td>X Laser scan processing</td>
</tr>
<tr>
<td>MAGNET Collage Mobile Kit</td>
<td>X</td>
<td>X Required Mobile mapping system processing</td>
</tr>
<tr>
<td>MAGNET Collage Scan and Mobile Kit</td>
<td>X</td>
<td>X Required Scanner and mobile mapping processing</td>
</tr>
<tr>
<td>MAGNET Collage RD-M1 Kit</td>
<td>X</td>
<td>X Required Road surface scan processing</td>
</tr>
<tr>
<td>MAGNET Collage Trajectory Module</td>
<td></td>
<td>X For mobile and RD-M1 systems</td>
</tr>
</tbody>
</table>

For more information: [topconpositioning.com/magnet-collage](http://topconpositioning.com/magnet-collage)

Specifications subject to change without notice.
©2017 Topcon Corporation All rights reserved.
7010-2230 A 5/17