MAGNET Collage

TOPCON

Product Lineup (Standard Kit)

License Type	Product Name	Program Module			
		Basic	Scan	Fly	MMS
Perpetual	Scan Kit Perpetual	●	●		
	Fly Kit Perpetual	●		●	
	Mobile Kit Perpetual	●			●
	Scan Kit Perpetual & Add on Fly Kit	●	●	●	
	Scan Kit Perpetual & Add on Mobile Kit	●	●		●
	Fly Kit Perpetual & Add on Mobile Kit	●		●	●
	Scan Kit Perpetual & Add on Fly Kit & Add on Mobile Kit	●	●	●	●
Subscription	Scan Kit Subscription	●	●		
	Mobile Kit Subscription	●			●
	Scan & Fly Kit Subscription	●	●	●	
	Scan & Mobile Kit Subscription	●	●		●
	All-in One Kit Subscription	●	●	●	●

■ Perpetual license

There is no limited time to use, or this is "one time buy-out" license. Version up service is only valid for the first year since you purchase the license. From the second year, to get version up service, it is necessary to purchase maintenance kit separately.

■ Subscription License (1 year)

This is one year term license to use since you purchase the license, including version up service fee. Form the second year, license has to be renewed by purchasing renewal kit.

■ Scan Module

Generate 3D mass data by using the collected data by Laser Scanner

■ Fly Module

Generate 3D mass data by synchronizing the flight log and images collected by UAV. MAVinci / Falcon 8 and any UAV which is compliant to Geo tagged photos are supported.

■ Mobile Module

Generate 3D mass data and GNSS trajectory by using the collected data by Mobile Mapping System.

■ Basic Module

Common module to do Registration (Cloud-to-Cloud, Tie-Point, Manual), Map View, Coordinate System Support, Ortho Photo, etc. It can integrate data generated by Scan, Fly, Mobile modules as well as other brand products.

Operating Environment

Configuration	Requirement
OS	Windows 7 64-bit, Windows 8 64-bit or Windows10 64-bit
CPU	Intel Core i7 (4 cores, 8 threads) or greater
RAM	DDR3 8GB or greater
Storage	MMS module : SSD 160GB or greater recommended Scan module : SSD 20GB or greater recommended Fly module : SSD 100GB or greater recommended
Screen Configuration	32-bit color, 1280x1024 pixels or more
Graphics Card	NVIDIA discrete GPU, VRAM 512 MB or greater
Network	Network enviroment that can be connected to intenet*

*Network is required for Map View and Activation process.

Cloud Import and Export Format

Import Format of Cloud data generated from Laser Scanner, UAV, MMS
File Format: PCD (.pcd)/ PTS (.pts)/ PTX (.ptx)/ CL3 (.cl3)/ E57 (.e57)/ FLS (.fls)/ CLR (.clr)/ LAS (.las)/ TTTL Folder (.tttl)

Export Format of Cloud data generated from Laser Scanner, UAV, MMS
File Format: PCD (.pcd)/ PTS (.pts)/ PTX (.ptx)/ CL3 (.cl3)/ E57 (.e57)/ RCS (.rcs) / CLR (.clr)/ LAS (.las)

Mobile module is not compliant to .ptx, .clr

TOPCON

TOPCON CORPORATION
75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan
Phone: (+81)3-3558-2993 Fax: (+81)3-3960-4214
www.topcon.co.jp

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Your local Authorized Dealer is:

TOPCON

3D Mass Data Software Solution

MAGNET Collage

Suitable 3D Measurement Solution

Integrated Software for Laser Scanner, UAV, and MMS

World's First [*1]

MAGNET Collage

MAGNET Collage connects 3D solution to seamless site.

MAGNET Collage can generate and integrate 3D Mass Data from multiple sensors in one single platform!

World's First

UAV (Drone) — Areal — Wide Range — **SKY**

Laser Scanner — Land — High Accuracy — **LAND**

MMS — By Car — Wide Range — **BY CAR**

You are 3D Expert from today!

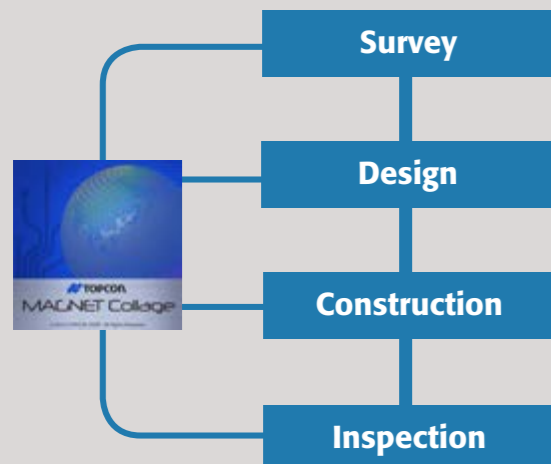| Data Collection	Data Processing	Data Edit, Output	Information Usage
3D Measurement on site	Generate Mass Data	Integrate 3D Mass data and output	Connect with other applications

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ICT Construction

MAGNET Collage for ICT Construction!

Total solution of 3D Mass Data handling for each process of ICT construction from 'Survey' to 'Inspection.'

- Survey
- Design
- Construction
- Inspection

High Speed Data Processing

Faster Processing Speed!
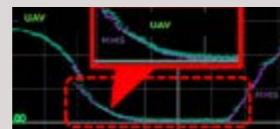Compared to ScanMaster
8 Times

Mega Mass Data Processing!
Compared to ScanMaster *
25 Times

*Checked up to 5 Billion Points to process

Various Features

Cloud to Cloud Matching
Integrate each cloud generated from Laser Scanner, UAV, and MMS.

World Map View
By using 'Quick Georeference,' the world map shows up as background.

Export Orthophotos From Cloud/Image
You can output orthophotos from cloud or image. (UAV only)

Coordinate System and Geoid Support
World Coordinate System and Geoid Support.

Hardware / Software Configuration Chart

Hardware	Mass Data Generation & Processing SW	Mass Data Integration Software

Laser Scanner

| TOPCON GLS-2000 | → | MAGNET Collage Scan Kit |
| TOPCON GLS-1500 | → | |

* ScanMaster is required to operate GLS-1500 remotely.

UAV

MAVinci / Falcon 8	→	MAGNET Collage Fly Kit
	Geo Tagged Image Compliant UAV	
Other Brand Hardware	→ Other Brand Software	

MMS

| TOPCON IP-S3 HD1 | → | MAGNET Collage Mobile Kit |
| TOPCON IP-S2/IP-S2 Compact+ | → | |

*Geoclean Workstation is required to read analysis