

# ESN-100

## Scanning Navigator

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Simple

Automated

Reliable

**Easy Scanning,  
Do it yourself !**



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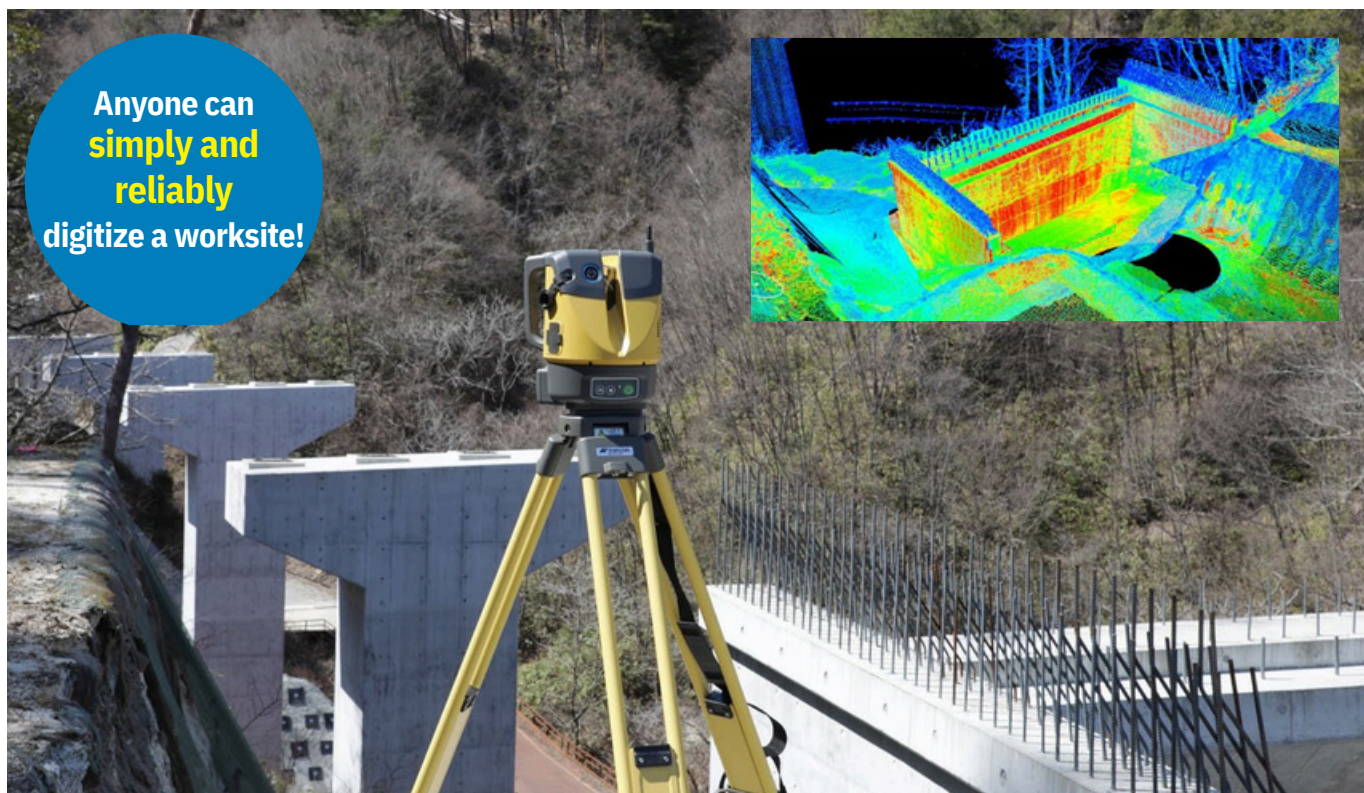
The image shows a yellow and grey Force3D F3000 total station on the left, which is a precision surveying instrument. It features a large lens, a handle, and a control panel with three buttons (up, star, and down). To the right is a rugged tablet displaying a 3D point cloud model of a terrain, with a red area highlighted. The tablet has a yellow protective case and a ruggedized design with a visible screen and navigation buttons.

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# You also can be a scan master!

# ESN-100



Anyone can simply and reliably digitize a worksite!

## Automated

Automated leveling and device setup make things simple!



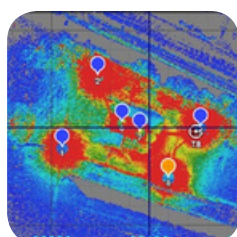
### Automatic Self-leveling with one button!

Easy leveling with one button thanks to the automated leveling feature. Can be set up by anyone, no experience required.



### Automatic target detection!

Automatically detect prisms at up to 100 m, and perform Resection. Can be used on multiple measurement locations on shared targets thanks to the 360° prism.



### Automatic combining scan data!

Automatically combine multiple pieces of scan data. With the Resection method, anyone can get easily and precisely combined point cloud data.

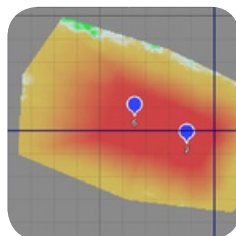
## Complete on-site

Check measurement results immediately! Less reworking, more reliable



### Remote operation in real time!

On Field measurement result check using Topcon Raster Scan, our dedicated field software, so you can determine where to scan next and keep work going.



### Compare today's scan data with yesterday's!

Compare scan data from yesterday's ground elevation with today's after piling to manage progress and calculate earth volume.



### Compare actual data with design data!

After initial measurements, you can track progress with design verification, earth volume calculation, and volume management. You can also inspect differences between the design and the actual result using volume management.

## Complete on-site solution! Automated scanning solution



360° prism



ESN-100



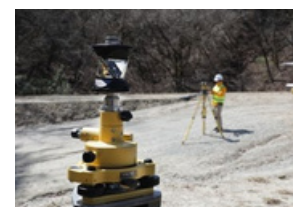
Field controller



ESN-100 dedicated field software  
Topcon Raster Scan



Field software that supports smooth on-site 3D measurement and analysis.



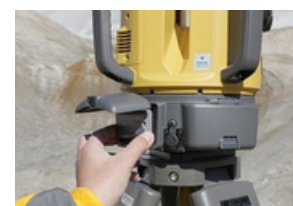
### Comes with a 360° prism as Standard package

Place the scanner in the chosen location and perform device setup using Resection.



### Compact, lightweight, handle-equipped

Support on-site work with excellent mobility.

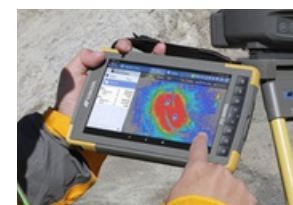


### Continuous measurements over long periods

Fitted with a hot-swapping function for changing the batteries while using the device.



Simple operation for carrying out 3D measurements. Efficiently manage progress through the real-time display and the comparison function enables comparison of acquired point clouds with past point clouds or 3D design data.



### Field controller FC-6000A

Large screen and efficient mobility for comfortable working. Supports on-site work with excellent mobility. Compatible with Android™ OS.



### Backpack (optional)

A backpack for easy carrying is also available. Simple and safe device transportation and setup, even on steep worksites such as mountainous areas.

Once the ESN-100 unit is turned on, everything can be done via tablet software. Scan with just a few clicks, and complete measurements automatically.

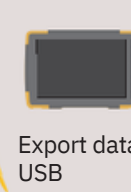
### Usage scenarios



## Export scan data on-site after measurements!

- LAS/TXT standard format
- Import directly into point cloud processing software

## No post-processing required for point cloud generation!



Export data via USB



Load into point cloud processing software for immediate use!