Leica ProScan
Mobile reality capture

- when it has to be right
Leica ProScan – Transform your laser scanner into a mobile data capture platform

Leica ProScan kinematic laser scanning platform combines the latest advancements in measurement system integration, software GUI designs, and data processing technologies to capture reality in 3D. Unmatched performance sets new standards in laser scanning productivity and time-to-results by decreasing up to 90% of the time spent in the field.

High speed data acquisition is supported by automatic TPS tracking functionality for determining the trajectory. Opening up a new dimension of capturing indoors and outdoors with point accuracies of a few millimetres for scanning ranges up to 15 metres. Scan freely without being tethered to a single location.

G-SERIES
GNSS positioning
Combining ProScan with GNSS receivers in differential mode for best possible positioning.

T-SERIES
TPS tracking & positioning
TPS tracking of ProScan to follow the system on its trajectory for highly accurate results.

I-SERIES
IMU positioning
Uses ProScan tracking technology to calibrate the IMU while capturing data in 3D.

Complete data capture workflow
ProScan runs with an intuitive single-interface software combining modern GUI concepts with the latest developments in kinematic laser scanning algorithms. The software processes trajectories and computes point clouds in one seamless graphical user interface. Efficiently control and steer the required processes and workflows.

Typical applications
Leica ProScan is suitable for a variety of applications in indoor and outdoor environments. High productivity combined with reduced costs for data acquisition opens new opportunities for high volume data capturing.

Tunnel inspection, asphalt roughness
Manufacturing optimisation
Building documentation
Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as surveying and engineering, safety and security, building and construction, and power and plant, trust Leica Geosystems to capture, analyse and present smart geospatial data. With the highest-quality instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

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