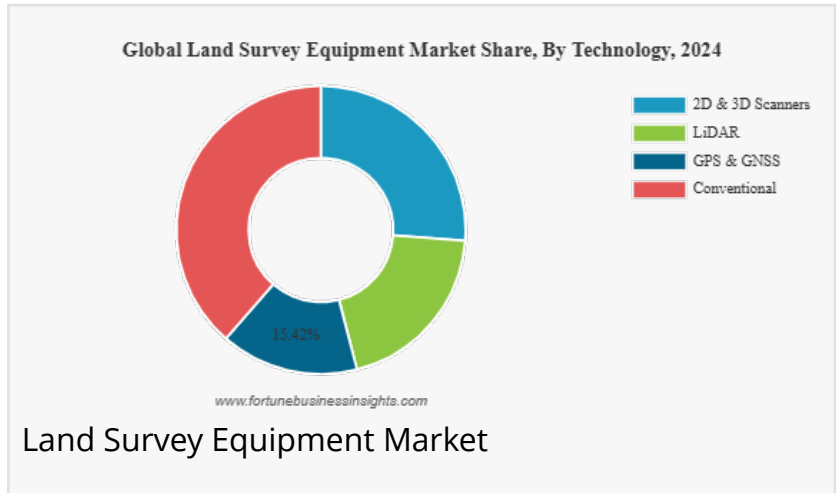


Land Survey Equipment Market Size, Share & Industry Analysis to Reach USD 13.74 Billion by 2032, at 4.8% CAGR

Key companies covered in the land survey equipment market are Hexagon AB, Trimble Inc., Topcon Corporation, CHC Navigation, U-Blox Holdings AG and others.

PUNE, MAHARASHTRA, INDIA,
September 23, 2025 /

EINPresswire.com/ -- The global [land survey equipment market](#) was valued at USD 9.69 billion in 2024 and is expected to grow from USD 9.92 billion in 2025 to USD 13.74 billion by 2032, at a CAGR of 4.8%. North America led the market in 2024 with a 39.53% share.



Fortune Business Insights™ presents this information in its report titled “Land Survey Equipment Market Size, Share, Forecast, and 2025-2032.”

The land survey equipment market is experiencing steady growth, driven by rising demand for advanced mapping and measurement solutions across industries such as construction, mining, agriculture, transportation, and defense. Modern technologies including LiDAR, GPS & GNSS, UAVs, and 3D scanners are transforming surveying processes by enhancing accuracy, efficiency, and real-time data collection. Increasing adoption of precision agriculture, infrastructure development, and smart city projects, along with the growing need for disaster management and environmental monitoring, are fueling market expansion. Both hardware and software solutions play a critical role, with government and commercial sectors investing heavily in upgrading survey capabilities to support large-scale projects worldwide.

List of Key Players Profiled in the Report:

- Hexagon AB (Sweden)
- Trimble Inc. (U.S.)
- Topcon Corporation (Japan)
- CHC Navigation (China)

- Hi-Target (China)
- U-Blox Holdings AG (Switzerland)
- Hudaco Industries (South Africa)
- GEOTECH 3D (UAE)
- Geosolution I Goteborg Ab (Sweden)
- Global GPS Systems (Netherlands)

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Market Drivers and Restraints

Increased Accuracy with Advanced Technologies to Catalyze Market Growth

One of the most significant market drivers is the integration of modern technologies, which has vastly improved precision, productivity, and functionality in the field. Technologies like GPS, 3D laser scanning, LiDAR, and drones have greatly enhanced measurement accuracy, with GPS providing centimeter-level precision. Digital tools and sophisticated data gathering approaches reduce human error, while digital mapping technologies and GIS allow for remote data analysis, saving time and accelerating project schedules.

However, a major obstacle is the lack of qualified professionals proficient in operating advanced surveying instruments. The high cost of this sophisticated equipment can also be a significant barrier for smaller companies. Furthermore, unfavorable weather conditions can impede measurement precision, and the complexity of modern instruments requires thorough training, which can lead to errors if not provided adequately.

Market Segmentation

Software Segment to Witness Fastest Growth Attributable to Need for Improved Data Processing

By solution, the market is segmented into hardware and software. The hardware segment held the largest market share in 2024. However, the software segment is projected to be the fastest-growing due to rising demand for advanced data processing, 3D modeling, and geospatial analysis.

Total Stations Segment to Lead Backed by High Precision and Adaptability

As per product, the market is classified into laser mapping systems, UAVs, Mobile Mapping Systems (MMS), and total stations. The total stations segment accounted for the largest share in 2024 due to its high precision, speed, and adaptability across various tasks. The UAVs segment is expected to witness rapid growth due to advancements in aerial imaging and 3D site modeling.

Mining & Construction Segment to Dominate Attributable to Urban Development in Emerging Economies

Based on industry, the market is classified into transportation, scientific & geological research,

energy & power, precision agriculture, mining & construction, disaster management, forestry, and others. The mining & construction segment held the largest share in 2024, driven by urban development in emerging economies. The precision agriculture segment is anticipated to grow fastest, utilizing advanced tools for land leveling and irrigation planning.

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Regional Insights

Robust Infrastructure Development to Foster Market Progress in North America

North America is expected to lead the market share, which stood at 39.53% in 2024. This dominance is attributable to robust infrastructure development, widespread adoption of advanced technologies like GNSS systems, and strong demand from the defense sector.

In Asia Pacific, the market is projected to be the fastest-growing during the forecast period. This growth is fueled by rapid urbanization, increasing industrialization, and major infrastructure projects such as highways, railways, and power plants.

Competitive Landscape

Key Players Focus on Integrating Cutting-Edge Technologies to Strengthen Market Position

The competitive landscape for land survey equipment is fragmented, with leading companies employing strategies such as mergers, acquisitions, and new product development to gain a competitive advantage. Major players are focused on integrating advanced technologies into their products to establish a strong foothold in the market. They are also expanding operations into emerging regions like India and China to capitalize on opportunities from rapid infrastructure development and urbanization.

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Report Coverage

The report provides a detailed analysis of the top segments and the latest trends in the market. It comprehensively discusses the driving and restraining factors. Additionally, it examines the regional developments and the strategies undertaken by the market's key players.

Key Industry Developments:

- October 2024: The Pennsylvania Land Surveyors' (PLS) Foundation granted a USD 5,000 donation to Penn State Wilkes-Barre, enabling the program to acquire more equipment, specifically two Leica CS-20 field data collectors.
- July 2024: The state of Karnataka in India announced plans to upgrade its land survey process by ensuring that GPS technology-based equipment is available in all regions for conducting land surveys.

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