

US Land Survey Equipment Market Size and Forecast (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Solution (Hardware, Software, and Services), Industry (Mining, Construction, Agriculture, Oil & Gas, and Others), and Application (Volumetric Calculations, Inspection, Layout Points, Monitoring, and Others)

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Abstracts

The US land survey equipment market size is expected to reach US\$ 1.51 billion by 2030 from 2.82 billion in 2022, at an estimated CAGR of 8.1% from 2022 to 2030.

The US land survey equipment market growth depends on several factors, such as the growing digitalization, urbanization, real estate business, and increasing use of advanced construction software. For instance, according to CBRE Group data of December 2023, investors are planning to invest in commercial real estate from Q2 of 2024 actively. This is projected to increase the construction of new apartments, thereby creating demand for land survey equipment among engineers. Land survey equipment such as total stations and GPS are highly used by the real estate industry for precise measurement of dimensions, land boundaries, and topographical features. This further supports engineers in assessing land value, determination of property boundaries, and creating detailed maps.

The presence of a large number of manufacturers is driving the US land survey equipment market. These players are continuously engaged in the development of advanced equipment to attract customers. Further, the market in the US is projected to grow, owing to the rising demand for land survey equipment from the construction, agriculture, and real estate industries. Additionally, technological advancements leading

to increased production and growing R&D activities are a few factors supporting the land survey equipment market growth.

The rising adoption of automobiles has increased the need for new road developments. For instance, as reported by the US Census Bureau, in December 2023, the government raised funding of US\$ 100.4 billion in November 2023 for the construction of highways. The government is also engaged in the development and maintenance of roads to enhance traveler experience by reducing the risks of accidents. For instance, according to RAMSEY COUNTY data, Hodgson Road, Lexington Avenue, and Maryland Avenue are under construction. The Old Highway 8 is also in the resurfacing phase. Such infrastructure development requires land survey equipment to calculate area, location, route, and site planning.

The US is one of the most advanced countries in terms of technology and architecture. The country is always ahead in constructing smart homes and healthcare retails. In April 2023, LEGO Group announced the construction of a 1.7 million sq. ft. carbon-neutral production facility for children in Chesterfield County, Virginia. This project incurred a cost of ~US\$ 1 billion and is expected to commence operation by the end of 2025. The company is using energy-efficient production equipment for building facilities and reducing carbon emissions.

Similarly, in July 2022, the US Energy Department disbursed a loan of US\$ 2.5 billion to General Motors and LG Energy Solution's joint venture, Ultium Cells, a unit of LG Chem, for the construction of a new manufacturing facility of the lithium-ion battery cell. Ultium Cells is investing US\$ 7 million to construct three plants. One plant started operating in August 2022, whereas other plants will commence operation in 2024. Land survey equipment is required for the appropriate construction of these plants as it helps in measuring site feasibility and generating detailed survey data to make better decisions and minimize the risk of structural failures.

In July 2022, the Texas Department of Transportation awarded the contract to Webber (a subsidiary of Ferrovial) for the expansion of four highways, including Denton, Collin, Kaufman, and Coman counties. The US\$ 340 million project is expected to start by the end of 2022 and is expected to complete by 2025. Thus, the growing number of construction activities in the US drives the land survey equipment market.

The growing number of infrastructural development activities is facilitating the expansion of the US land survey equipment market share.

The US land survey equipment market analysis has been carried out by considering the following segments: Solution, Industry, and Application.

Based on solution, the US land survey equipment market report is segmented into hardware, software, and services. Hardware is a physical part or a tool used for surveying. Commonly used surveying instruments include theodolite, GPS/GNSS systems, total station, 3D scanners, measuring tape, level, and rod. This equipment speeds up the surveying process and provides more accurate data than traditional surveying methods. GNSS can help determine precise locations irrespective of the impact of weather conditions. The theodolite is employed for the measurement of angles, whereas the total station is used for leveling when it is set to the horizontal plane. UAVs used in surveying provide quick and accurate data with minimal requirement for human efforts.

Based on industry, the US land survey equipment market report is segmented into construction, oil and gas, mining, agriculture and others. In the construction industry, 3D scanners, layout stations, UAVs, total stations, and laser measuring systems are used for land surveying. Growing population and increasing disposable income raise the need for infrastructure. Increasing demand for vehicles among consumers creates the need for renovating and upgrading bridges. For instance, in Q4 2023, the government of the US started upgrading TxDOT Highway 59 to manage vehicle traffic. The project involves an upgradation of 10.6km road on Highway 59 from north of Cleveland to San Jacinto County in Texas. The project is expected to be completed in Q3 2029. Thus, such upcoming construction projects are driving the US land survey equipment market share.

Hexagon AB; Topcon; Septentrio; Trimble Inc.; Carlson Software Inc.; Juniper Systems Inc.; Raven Industries, Inc.; Shanghai Huace Navigation Technology Ltd.; Spectra Precision; and Robert Bosch Tool Corporation are among the key players profiles in the US land survey equipment market report. The strategic presence of key players positions the US as a key country land survey equipment market growth. A number of new players are expected to emerge and bring new US land survey equipment market trends in the coming years.

The overall US land survey equipment Market growth has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the US land survey equipment Market size. The process also helps obtain an overview and forecast of the US land survey equipment market with respect to all the

market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the US land survey equipment market.

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