

**North America Land Survey Equipment Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Solution (Hardware, Software, and Services), Industry (Mining, Construction, Agriculture, Oil & Gas, and Others), Application (Volumetric Calculations, Inspection, Layout Points, Monitoring, and Others), and Hardware (GNSS Systems, Levels, 3D Laser Scanners, Total Stations, Theodolites, Unmanned Aerial Vehicles, Machine Control Systems, Machine Guidance Systems, and Others)**

Market Report | 2022-12-20 | 137 pages | The Insight Partners

**AVAILABLE LICENSES:**

- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

**Report description:**

The North America land survey equipment market is expected to grow from US\$ 1,549.31 million in 2022 to US\$ 2,251.40 million by 2028. It is estimated to grow at a CAGR of 7.2% from 2022 to 2028.

**Use of Unmanned Aerial Vehicles (UAVs) and Remote-Control Drones**

The use of unmanned aerial vehicles (UAVs) and remote-control drones is increasing in the mapping and surveying professions. These technologies have many potential applications within several sectors related to land surveys, agriculture, and environmental monitoring. With the help of drones and UAVs, surveyors can get their data precisely and quickly. UAVs and drones are safer as it eliminates the requirement of manpower to enter dangerous environments for measurements. With the help of these technologies, surveyors can access areas that are inaccessible to humans. UAVs combines photogrammetry, 3D mapping, land surveys, topographic surveying, etc. However, legal permission must be taken from the respective authority before using UAVs and drones by the surveyors. There are a few challenges associated with using drones and UAVs for a survey, such as pilot training for the operator and its assessment, keeping up with regulations for the operation, and providing professional output to

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the customer. If surveyors overcome these challenges, the use of UAVs and drones is expected to become a trend in the land survey equipment market across the region.

## Market Overview

The North America land survey equipment market is bifurcated into the US and Mexico. According to the US Census Bureau and the Department of Housing and Urban Development, in 2021, ~762,000 new homes were sold in the US, most of which were single-family houses. The land survey equipment market growth in North America depends on several factors, such as the growing real estate business in the US and Mexico, the usage of advanced construction software, the dependency on agriculture, and the development of automobiles that increased traffic and led to new road developments. For instance, according to a report published by World Highways in June 2022, a highway is under construction in Mexico, which is expected to be completed by December 2022. This highway will connect Guadalupe y Calvo with Badiraguato and provide a link between Chihuahua State and Sinaloa State. Due to the presence of mountainous topography, the 140km highway construction was challenging and will cost ~US\$ 117 million until its completion. Out of 140 km, ~13km of highway construction is still pending. Such infrastructure development requires land survey equipment to calculate area, route, location, site planning, etc. Further, the US is one of the leading countries in the land survey equipment market due to the high consumption of land survey equipment that led to increased production by several leading market players such as Allenbuild Instruments. Moreover, rising technological advancements leading to increased production and research & development activities are a few factors supporting the land survey equipment market growth. With the growing demand for land survey equipment in North America, the land survey equipment market is expected to grow during the forecast period.

## North America Land Survey Equipment Market Revenue and Forecast to 2028 (US\$ Million)

### North America Land Survey Equipment Market Segmentation

The North America land survey equipment market is segmented based on solution, industry, application, hardware, and country.

Based on solution, the North America land survey equipment market is segmented into hardware, software, and services. The hardware segment held the largest market share in 2022. Based on industry, the North America land survey equipment market is segmented into mining, construction, agriculture, oil & gas, and others. The construction segment held the largest market share in 2022. Based on application, the North America land survey equipment market is segmented into volumetric calculations, inspection, layout points, monitoring, and others. The inspection segment held the largest market share in 2022. Based on hardware, the North America land survey equipment market is segmented into GNSS systems, levels, 3D laser scanners, total stations, theodolites, unmanned aerial vehicles, machine control systems, machine guidance systems, and others. The GNSS systems segment held the largest market share in 2022. Based on country, the North America land survey equipment market has been categorized into the US and Mexico. Our regional analysis states that the US dominated the market share in 2022. Hexagon AB; Hi-Target; PENTAX Surveying; Robert Bosch Tool Corporation; Shanghai Huace Navigation Technology Ltd.; South Surveying & Mapping Technology CO., LTD.; Suzhou FOIF Co., Ltd.; Topcon Corporation; and Trimble Inc. are the leading companies operating in the North America land survey equipment market.

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