

# **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)**

<https://marketpublishers.com/r/U70966AD6D3BEN.html>

Date: March 2024

Pages: 178

Price: US\$ 3,550.00 (Single User License)

ID: U70966AD6D3BEN

## **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.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. US LAND SURVEY EQUIPMENT MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 PEST Analysis
- 4.1 Ecosystem Analysis
  - 4.1.1 List of Vendors in the Value Chain

### **5. US LAND SURVEY EQUIPMENT MARKET – KEY MARKET DYNAMICS**

- 5.1 US Land Survey Equipment Market – Key Market Dynamics
- 5.2 Market Drivers
  - 5.2.1 Growing Number of Infrastructural Development Activities
  - 5.2.2 Increasing Need for Drones or UAVs in Mapping and Surveying
  - 5.2.3 Rising Demand for Land Survey Equipment
- 5.3 Market Restraints
  - 5.3.1 High Costs Associated with Land Survey Equipment
  - 5.3.2 Lack of Skilled Man Power
- 5.4 Market Opportunities
  - 5.4.1 Technological Advancement and Automation
  - 5.4.2 Government Investments and Spending to Promote Construction Activities
- 5.5 Future Trends
  - 5.5.1 Rising Deployment of Cloud-Based Software and Services

## 5.6 Impact of Drivers and Restraints:

## 6. US LAND SURVEY EQUIPMENT MARKET –MARKET ANALYSIS

### 6.1 US Land Survey Equipment Market Revenue (US\$ Million), 2022–2030

### 6.2 US Land Survey Equipment Market Forecast Analysis

## 7. US LAND SURVEY EQUIPMENT MARKET ANALYSIS – BY SOLUTIONS

### 7.1 Hardware

#### 7.1.1 Overview

#### 7.1.2 Hardware: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.3 GNSS Systems

##### 7.1.3.1 Overview

##### 7.1.3.2 GNSS Systems Market Revenue and Forecasts To 2030 (US\$ Million)

#### 7.1.4 Total Stations

##### 7.1.4.1 Overview

##### 7.1.4.2 Total Stations: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.5 Theodolites

##### 7.1.5.1 Overview

##### 7.1.5.2 Theodolites: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.6 3D Laser Scanner

##### 7.1.6.1 Overview

##### 7.1.6.2 3D Laser Scanner: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.7 Unmanned Aerial Vehicles

##### 7.1.7.1 Overview

##### 7.1.7.2 Unmanned Aerial Vehicles: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.8 Machine Control Systems

##### 7.1.8.1 Overview

##### 7.1.8.2 Machine Control Systems: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

#### 7.1.9 Levels

##### 7.1.9.1 Overview

##### 7.1.9.2 Levels: US Land Survey Equipment Market – Revenue and Forecast to 2030

(US\$ Million)

7.1.10 Machine Guidance Systems

7.1.10.1 Overview

7.1.10.2 Machine Guidance Systems: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

7.1.11 Others

7.1.11.1 Overview

7.1.11.2 Others: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

7.2 Services

7.2.1 Overview

7.2.2 Services: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

7.3 Software

7.3.1 Overview

7.3.2 Software: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

## **8. US LAND SURVEY EQUIPMENT MARKET ANALYSIS – BY INDUSTRY**

8.1 Construction

8.1.1 Overview

8.1.2 Construction: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

8.2 Oil and Gas

8.2.1 Overview

8.2.2 Oil and Gas: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

8.3 Mining

8.3.1 Overview

8.3.2 Mining: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

8.4 Agriculture

8.4.1 Overview

8.4.2 Agriculture: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

8.5 Others

8.5.1 Overview

8.5.2 Others: US Land Survey Equipment Market – Revenue and Forecast to 2030

(US\$ Million)

## **9. US LAND SURVEY EQUIPMENT MARKET ANALYSIS – BY APPLICATION**

### **9.1 Inspection**

#### **9.1.1 Overview**

9.1.2 Inspection: US Land Survey Equipment Market – Revenue and Forecast to 2030  
(US\$ Million)

### **9.2 Monitoring**

#### **9.2.1 Overview**

9.2.2 Monitoring: US Land Survey Equipment Market – Revenue and Forecast to 2030  
(US\$ Million)

### **9.3 Layout Points**

#### **9.3.1 Overview**

9.3.2 Layout Points: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

### **9.4 Volumetric Calculations**

#### **9.4.1 Overview**

9.4.2 Volumetric Calculations: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

### **9.5 Others**

#### **9.5.1 Overview**

9.5.2 Others: US Land Survey Equipment Market – Revenue and Forecast to 2030  
(US\$ Million)

## **10. COMPETITIVE LANDSCAPE**

### **10.1 Heat Map Analysis by Key Players**

### **10.2 Company Positioning & Concentration**

## **11. INDUSTRY LANDSCAPE**

### **11.1 Overview**

### **11.2 Market Initiative**

### **11.3 Product Development**

### **11.4 Mergers & Acquisitions**

## **12. COMPANY PROFILES**

## 12.1 Carlson Software Inc

### 12.1.1 Key Facts

### 12.1.2 Business Description

### 12.1.3 Products and Services

### 12.1.4 Financial Overview

### 12.1.5 SWOT Analysis

### 12.1.6 Key Developments

## 12.2 Trimble Inc

### 12.2.1 Key Facts

### 12.2.2 Business Description

### 12.2.3 Products and Services

### 12.2.4 Financial Overview

### 12.2.5 SWOT Analysis

### 12.2.6 Key Developments

## 12.3 Juniper Systems Inc

### 12.3.1 Key Facts

### 12.3.2 Business Description

### 12.3.3 Products and Services

### 12.3.4 Financial Overview

### 12.3.5 SWOT Analysis

### 12.3.6 Key Developments

## 12.4 Robert Bosch Tool Corp

### 12.4.1 Key Facts

### 12.4.2 Business Description

### 12.4.3 Products and Services

### 12.4.4 Financial Overview

### 12.4.5 SWOT Analysis

### 12.4.6 Key Developments

## 12.5 Raven Industries Inc

### 12.5.1 Key Facts

### 12.5.2 Business Description

### 12.5.3 Products and Services

### 12.5.4 Financial Overview

### 12.5.5 SWOT Analysis

### 12.5.6 Key Developments

## 12.6 Septentrio NV

### 12.6.1 Key Facts

### 12.6.2 Business Description

### 12.6.3 Products and Services

- 12.6.4 Financial Overview
- 12.6.5 SWOT Analysis
- 12.6.6 Key Developments
- 12.7 Shanghai Huace Navigation Technology Ltd
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 Hexagon AB
  - 12.8.1 Key Facts
  - 12.8.2 Business Description
  - 12.8.3 Products and Services
  - 12.8.4 Financial Overview
  - 12.8.5 SWOT Analysis
  - 12.8.6 Key Developments
- 12.9 Topcon Corp
  - 12.9.1 Key Facts
  - 12.9.2 Business Description
  - 12.9.3 Products and Services
  - 12.9.4 Financial Overview
  - 12.9.5 SWOT Analysis
  - 12.9.6 Key Developments
- 12.10 Spectra Precision LLC
  - 12.10.1 Key Facts
  - 12.10.2 Business Description
  - 12.10.3 Products and Services
  - 12.10.4 Financial Overview
  - 12.10.5 SWOT Analysis
  - 12.10.6 Key Developments

## **13. APPENDIX**

### **13.1 About The Insight Partners**

## List Of Tables

### LIST OF TABLES

Table 1. US Land Survey Equipment Market Segmentation

Table 2. List of Vendors

Table 3. US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Table 4. US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million) – by Solutions

Table 5. US Land Survey Equipment Market Revenue and Forecasts To 2030 (US\$ Million) – Hardware

Table 6. US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million) – by Industry

Table 7. US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million) – by Application

## List Of Figures

### LIST OF FIGURES

- Figure 1. US Land Survey Equipment Market Segmentation, by Geography
- Figure 2. PEST Analysis
- Figure 3. Ecosystem: Embedded Systems Market
- Figure 4. Impact Analysis of Drivers and Restraints
- Figure 5. US Land Survey Equipment Market Revenue (US\$ Million), 2022–2030
- Figure 6. US Land Survey Equipment Market Share (%) – by Solutions (2022 and 2030)
- Figure 7. Hardware: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 8. US Land Survey Equipment Market Share (%) – Hardware, 2022 and 2030
- Figure 9. GNSS Systems Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 10. Total Stations: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 11. Theodolites: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 12. 3D Laser Scanner: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 13. Unmanned Aerial Vehicles: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 14. Machine Control Systems: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 15. Levels: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 16. Machine Guidance Systems: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 17. Others: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 18. Services: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 19. Software: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 20. US Land Survey Equipment Market Share (%) – by Industry (2022 and 2030)
- Figure 21. Construction: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 22. Oil and Gas: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 23. Mining: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 24. Agriculture: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 25. Others: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 26. US Land Survey Equipment Market Share (%) – by Application (2022 and 2030)

Figure 27. Inspection: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 28. Monitoring: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 29. Layout Points: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 30. Volumetric Calculations: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 31. Others: US Land Survey Equipment Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 32. Heat Map Analysis by Key Players

Figure 33. Company Positioning & Concentration

## I would like to order

Product name: 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)

Product link: <https://marketpublishers.com/r/U70966AD6D3BEN.html>

Price: US\$ 3,550.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U70966AD6D3BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970