

Terrestrial Laser Scanning Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global terrestrial laser scanning market size reached US\$ 3.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.0 Billion by 2028, exhibiting a growth rate (CAGR) of 6.94% during 2023-2028.

A terrestrial laser scanning system, also known as terrestrial LiDAR (light detection and ranging), is contact-free measuring equipment that collects dense point clouds of objects. It processes the data captured and assigns color, reflectance value and X, Y, Z coordinates to each point. It comprises a laser, keypad, scanner, mobile device, operating software and a TCP/IP interface. The terrestrial laser scanning system is a new and efficient technology being used for digitalizing large objects as well as preserving and sustaining heritage buildings.

Terrestrial laser scanning systems offer high accuracy, faster data capture and positioning simplicity as compared to conventional measurement methods. There is currently a rise in the need for efficient real-time data collection equipment in the construction, oil and gas, and manufacturing industries. Consequently, the sales of terrestrial laser scanning systems are increasing worldwide, as it helps end users in

reducing process costs by reducing the time taken for the completion of a project. Apart from this, the escalating demand for surveys and 3D laser scanning in the infrastructure industry, especially in the Asia Pacific and the Middle East, is accelerating the growth of the market. Furthermore, the leading market players are introducing improved and user-friendly terrestrial laser scanning systems that enable organizations to deploy less costly field labor which is expected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global terrestrial laser scanning market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on solution, technology, laser type and application.

Breakup by Solution:

- Scanning Systems
- Scanning Services

Breakup by Technology:

- Phase-Shift
- Pulse-Based
- Optical Triangulation

Breakup by Laser Type:

- Diode
- Fiber
- Solid-State

Breakup by Application:

Building Information Modeling
Topographical Survey
Forestry and Agricultural Survey
Mining Survey
Construction Survey
Research and Engineering
Others

Breakup by Region:**North America**

United States
Canada

Europe

Germany
France
United Kingdom
Spain
Italy
Others

Asia Pacific

China
India
Japan

Australia
Indonesia
Others

Latin America

Mexico
Brazil
Argentina
Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being 3D Systems Inc., Carl Zeiss Optotechnik GmbH, Creaform Inc. (AMETEK), FARO Technologies Inc., Fugro N.V, Hexagon AB, Leica Geosystems, Mapttek, RIEGL Laser Measurement Systems GmbH, Teledyne Technologies Inc., Topcon Corporation, Trimble Inc. and Zoller + Fröhlich GmbH.

Key Questions Answered in This Report:

What was the size of the global terrestrial laser scanning market in 2022?

What is the expected growth rate of the global terrestrial laser scanning market during 2023-2028?

What has been the impact of COVID-19 on the global terrestrial laser scanning market?

What are the key factors driving the global terrestrial laser scanning market?

What is the breakup of the global terrestrial laser scanning market based on the solution?

What is the breakup of the global terrestrial laser scanning market based on the technology?

What is the breakup of the global terrestrial laser scanning market based on the laser type?

What is the breakup of the global terrestrial laser scanning market based on the application?

What are the key regions in the global terrestrial laser scanning market?

Who are the key players/companies in the global terrestrial laser scanning market?

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