

Robotic Total Stations (RTS) Market Report by Type (0.5"- 1" Accuracy, 2"- Others Accuracy), Application (Surveying, Engineering and Construction, Excavation), End User (Construction, Utilities, Mining, and Others), and Region 2024-2032

<https://marketpublishers.com/r/R06890EA1407EN.html>

Date: July 2024

Pages: 146

Price: US\$ 3,899.00 (Single User License)

ID: R06890EA1407EN

Abstracts

The global robotic total stations (RTS) market size reached US\$ 838.3 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,398.3 Million by 2032, exhibiting a growth rate (CAGR) of 5.7% during 2024-2032.

A robotic total station (RTS) refers to an electronic instrument that allows remote operation. It is extensively used to measure vertical and horizontal angles, surveying, excavating, and constructing dams and plant chimneys. It is utilized to perform calculations and inspection as it consists of a combination of an electronic distance meter and electronic theodolite. RTS is an integrated system that consists of a microprocessor, integrated camera, and electronic data collector. It provides more accurate measurements, enhanced speed, quality assurance, reduced errors, and cost-effectiveness. RTS includes distance measurement, data processing, coordinate measurement, and angle measurement. It finds extensive application across various industries, such as utilities, mining, and construction.

Robotic Total Stations (RTS) Market Trends:

Significant growth in the construction industry across the globe is a prime factor driving the market growth. RTS is widely used to increase productivity and accuracy as it significantly simplifies the construction layout process. In line with this, the increasing demand for robotic total stations for modernizing surveying tools and techniques for accurate calculation of coordinates, land surveying, and eliminating manual errors of recording and reading is driving the growth of the market. Moreover, various

technological advancements, such as the integration of the Internet of Things (IoT) and global positioning system (GPS) for real-time monitoring of productivity and safety, are providing an impetus to the market growth. Additionally, the increasing product demand for accident investigation on highways, crime scene locations, and land investigations is positively impacting the market growth. Apart from this, the rapid product adoption in precision farming, transportation planning, highway and roadway management, and the increasing product demand by manufacturers for the development of smart cities are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global robotic total stations (RTS) market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, application and end user.

Breakup by Type:

0.5"- 1" Accuracy

2"- Others Accuracy

Breakup by Application:

Surveying

Engineering and Construction

Excavation

Breakup by End User:

Construction

Utilities

Mining

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Carlson Software, Changzhou Dadi Surveying Science & Technology Co. Ltd., GPS Lands (Singapore) Pte. Ltd., Guangdong Kolida Instrument Co. Ltd., Hexagon AB, Hilti Corporation, STONEX Srl, Suzhou FOIF Co. Ltd., Topcon Corporation and Trimble Inc.

Key Questions Answered in This Report:

How has the global robotic total stations (RTS) market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global robotic total stations (RTS) market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global robotic total stations (RTS) market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ROBOTIC TOTAL STATIONS (RTS) MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 0.5"- 1" Accuracy
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 2"- Others Accuracy
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Surveying
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Engineering and Construction
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Excavation
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY END USER

- 8.1 Construction
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Utilities
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Mining
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Others
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Carlson Software

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 Changzhou Dadi Surveying Science & Technology Co. Ltd.

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 GPS Lands (Singapore) Pte. Ltd.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 Guangdong Kolida Instrument Co. Ltd.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Hexagon AB

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.5.4 SWOT Analysis

14.3.6 Hilti Corporation

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.6.3 SWOT Analysis

14.3.7 STONEX Srl

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.8 Suzhou FOIF Co. Ltd.

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

14.3.9 Topcon Corporation

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.9.3 Financials

14.3.9.4 SWOT Analysis

14.3.10 Trimble Inc.

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.10.3 Financials

14.3.10.4 SWOT Analysis

I would like to order

Product name: Robotic Total Stations (RTS) Market Report by Type (0.5"- 1" Accuracy, 2"- Others Accuracy), Application (Surveying, Engineering and Construction, Excavation), End User (Construction, Utilities, Mining, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/R06890EA1407EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R06890EA1407EN.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