

# Global Star Tracker for Nano Satellite (STNS) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Star Tracker for Nano Satellite (STNS) market size was valued at US\$ 194 million in 2024 and is forecast to a readjusted size of USD 522 million by 2031 with a CAGR of 15.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The Star Tracker for Nano Satellite (STNS) is a compact and high-precision optical device designed for attitude determination in small-scale space missions, particularly nano-satellites. Utilizing a camera and advanced algorithms, the star tracker identifies star patterns in its field of view, comparing them to an onboard star catalog to determine the satellite's orientation in space. STNS is critical for maintaining accurate satellite positioning, enabling precise control for tasks like Earth observation, communication, and scientific experiments. Its miniaturized design and low power consumption make it suitable for the constrained size, weight, and energy budgets of nano-satellites.

This report is a detailed and comprehensive analysis for global Star Tracker for Nano Satellite (STNS) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### Key Features:

Global Star Tracker for Nano Satellite (STNS) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Star Tracker for Nano Satellite (STNS) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Star Tracker for Nano Satellite (STNS) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Star Tracker for Nano Satellite (STNS) market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Star Tracker for Nano Satellite (STNS)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Star Tracker for Nano Satellite (STNS) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Berlin Space, AAC Clyde Space, Solar MEMS, KAIROSPACE, Space Inventor, Redwire Space, Rocket Lab, TY-Space, Arcsec, ISIS, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Star Tracker for Nano Satellite (STNS) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and

value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

CCD (Charge-coupled Device) Based Star Tracker

CMOS (Complementary Metal-oxide-semiconductor) Based Star Tracker

#### Market segment by Application

Military

Commercial

#### Major players covered

Berlin Space

AAC Clyde Space

Solar MEMS

KAIROSPACE

Space Inventor

Redwire Space

Rocket Lab

TY-Space

Arcsec

ISIS

Market segment by region, regional analysis covers  
North America (United States, Canada, and Mexico)  
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)  
South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Star Tracker for Nano Satellite (STNS) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Star Tracker for Nano Satellite (STNS), with price, sales quantity, revenue, and global market share of Star Tracker for Nano Satellite (STNS) from 2020 to 2025.

Chapter 3, the Star Tracker for Nano Satellite (STNS) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Star Tracker for Nano Satellite (STNS) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Star Tracker for Nano Satellite (STNS) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Star Tracker for Nano Satellite (STNS).

Chapter 14 and 15, to describe Star Tracker for Nano Satellite (STNS) sales channel, distributors, customers, research findings and conclusion.

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