

Autonomous and Semi-autonomous Tractors Market is estimated to be US\$ 17.3 Billion by 2032 with a CAGR of 26.4% during the forecast period

Autonomous and Semi-autonomous Tractors Market accounted for US\$ 1.6 Billion in 2022 and is estimated to be US\$ 17.3 Billion by 2032 and is anticipated to register a CAGR of 26.4%. Autonomous tractors are also known as driverless tractors, they use advanced technology such as machine vision systems, and GPS to perform slow and highly attractive tasks such as tillage etc. Autonomous and semi-autonomous tractors include crop yield monitoring systems that monitor the crop and field and help the owner manage the field based on soil properties. The growth in the global autonomous tractor market has fueled the demand for agricultural inputs. As the cost of farm labor increases, farm wages are decreasing. Farmers are adopting agricultural mechanization as an alternative to manual labor and providing more economical, readily available and more efficient means of agricultural operations. Tractors are the primary source of energy for driving agricultural machinery. This appears to contribute to long-term market growth. Since cultivable land is limited and agricultural production depends on external environmental conditions, it is necessary to control the efficiency of processes; Such as tillage, sowing, harvesting and fertilizing. These vehicles also provide auto-steering features that help farmers do their farming more reliably, thereby increasing the market.

The report "**Global Autonomous and Semi-autonomous Tractors Market, By Type (Driverless Tractors and Driver-Assisted Tractors), By Application (Harvesting, Seed Sowing, and Irrigation), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Market Trends, Analysis, and Forecast till 2032**"

Key Highlights:

- In September 2022, Schneider teams with Torc on autonomous trucking pilot, Torque Robotics tractors will transport cargo for Schneider, which will provide logistics insights and other feedback to help the technology company develop commercial autonomous trucking applications.
- In August 2022, Foxconn to build autonomous electric tractors at Ohio facility. As agricultural equipment manufacturers compete to expand product lines into precision agriculture technology and autonomous machinery, Monarch Chief Executive Praveen Penmetsa told Reuters that the company's business model to target small farmers offers them a unique opportunity to increase market share. A level playing field with major manufacturers. Their technology is focused on large farm operations and commodity crops. Fruit and vegetable farmers use very small tractors so we focus on small farmers.

Analyst View:

Autonomous and semi-autonomous tractors are on the rise worldwide, with various types of tractors and technological developments in tractors making farming more efficient and cost-effective. As a result, market competition is intensifying and both large international corporations and start-ups are striving to establish a position in the market. The market for tractors is growing rapidly due to increasing awareness among farmers and adoption of agricultural mechanization. Autonomous trackers are poised to revolutionize the agriculture industry by removing the human element and simplifying labor supply as

recruitment in the sector slows. In the future, this type of technology will offer greater efficiency for tasks such as tillage, planting, spraying and harvesting.

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Key Market Insights from the report:

Global Autonomous and Semi-autonomous Tractors Market accounted for US\$ 1.6 Billion in 2022 and is estimated to be US\$ 17.3 Billion by 2032 and is anticipated to register a CAGR of 26.4%. The Global Autonomous and Semi-autonomous Tractors Market is segmented based on Type, Application and Region.

- Based on Type, Global Autonomous and Semi-autonomous Tractors Market is segmented into Driverless Tractors and Driver-Assisted Tractors.
- Based on Application, Global Autonomous and Semi-autonomous Tractors Market is segmented into Harvesting, Seed Sowing, and Irrigation.
- By Region, the Global Autonomous and Semi-autonomous Tractors Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Landscape & their strategies of Global Autonomous and Semi-autonomous Tractors Market:

The prominent players operating in the Global Autonomous and Semi-autonomous Tractors Market include John Deere, AGCO Corporation, Ag Leader Technology, Agjunction, Inc., Autonomous Solutions Inc., CNH Industrial N.V., Escorts Limited, KUBOTA Corporation, Mahindra & Mahindra Ltd., Raven Industries, Inc., Dutch Power Company, Trimble, Inc., SAME DEUTZ-FAHR Italia S.p.A., and YANMAR CO., LTD.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.