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Continuously Variable Transmission Systems Market Report by Vehicle Type (Passenger cars, Light commercial vehicles, Heavy commercial vehicles, and Others), Type (Hydrostatic, Toroidal, Cone, Variable geometry, Variable diameter, and Others), Fuel (Gasoline, Diesel, Hybrid), Capacity (Up to 1.5 L, 1.5 L to 3.0 L, Above 3.0 L), End User (OEM, Aftermarket), and Region 2024-2032

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Abstracts

The global continuously variable transmission systems market size reached US$ 22.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US$ 34.6 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032.

A continuously variable transmission (CVT) system refers to an automatic transmission system that changes through an uninterrupted range of different gear ratios. It has a two-pulley mechanism with variable diameters connected on either end of the engine and the wheels by a belt or chain. Also known as stepless transmission, pulley transmission and single-speed transmission, the CVT system effectively replaces gears with two variable-diameter pulleys. As a result, it offers useable power and driving convenience as compared to automatic transmission systems. Moreover, the CVT system is extremely fuel-efficient and provides maximum speed at low engine speed. They are also light-weighted, compact-sized, and consist of fewer moving parts, making them suitable for diverse automotive applications.

Continuously Variable Transmission Systems Market Trends:
The global CVT system market is driven by various advantages, such as a smooth

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driving experience and quick acceleration for users. It also offers more useable power and consumes less fuel than conventional and manual transmission systems. As a result, the CVT system finds applications in tractors, snowmobiles, motor scooters, go-carts, and mix harvesters. Nowadays, consumers are shifting toward eco-friendly vehicles, which utilize CVT systems. It also consists of enhanced hydraulic systems, microprocessors, high-strength steel metal belts, and high-speed sensors, which help boost the handling capacity of the engine. Furthermore, several manufacturers, like Toyota, are producing hybrid, electric mid-sized hatchback models, which are equipped with power-split CVT technology. It offers a fixed gear ratio and higher torque handling capability, which are expected to escalate the demand for CVT systems.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global continuously variable transmission systems market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on type, vehicle type, fuel, capacity, and end user.

Breakup by Vehicle Type:

Passenger cars
Light commercial vehicles
Heavy commercial vehicles
Others

Amongst these, passenger cars represent the most preferred vehicle type.

Breakup by Type:

Hydrostatic
Toroidal
Cone
Variable geometry
Variable diameter
Others

On the basis of the type, hydrostatic systems are the most popular type of CVT systems.

Breakup by Fuel:

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Gasoline
Diesel
Hybrid

At present, gasoline accounts for majority of the total global market.

Breakup by Capacity:

Up to 1.5 L
1.5 L to 3.0 L
Above 3.0 L

Based on the capacity, the report finds that CVT systems with 1.5 L to 3.0 L capacity hold the biggest market share.

Breakup by End User:

OEM
Aftermarket

OEM currently exhibits a clear dominance in the market.

Regional Insights:

Asia Pacific
North America
Europe
Middle East and Africa
Latin America

Region-wise, Asia Pacific holds the leading position in the market.

Competitive Landscape:
The competitive landscape of the market has been analyzed, with some of the leading players being TEAM Industries Inc., Schaeffler AG, Endurance Technologies Limited, NIDEC-SHIMPO, ZF Friedrichshafen AG, STEYR, Toyota Motor Corporation, Gaokin Industry Co. Ltd., General Transmissions, and Fallbrook Intellectual Property Company LLC.

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Key Questions Answered in This Report

1. What was the size of the global continuously variable transmission systems market in 2023?
2. What is the expected growth rate of the global continuously variable transmission systems market during 2024-2032?
3. What are the key factors driving the global continuously variable transmission systems market?
4. What has been the impact of COVID-19 on the global continuously variable transmission systems market?
5. What is the breakup of the global continuously variable transmission systems market based on the vehicle type?
6. What is the breakup of the global continuously variable transmission systems market based on the type?
7. What is the breakup of the global continuously variable transmission systems market based on the fuel?
8. What is the breakup of the global continuously variable transmission systems market based on the capacity?
9. What is the breakup of the global continuously variable transmission systems market based on the end user?
10. What are the key regions in the global continuously variable transmission systems market?
11. Who are the key players/companies in the global continuously variable transmission systems market?

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