

Global Tuned Mass Vibration Unit Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Tuned Mass Vibration Unit market size is expected to reach \$ 704 million by 2032, rising at a market growth of 4.8% CAGR during the forecast period (2026-2032).

In 2024, global Tuned Mass Vibration Unit production reached approximately 123,252 units, with an average global market price of around US\$ 3914 per unit. Gross margin is about 45%. The cost is 2,152 usd. Production capacity 140,000 to 160,000 units. A Tuned Mass Vibration Unit is a passive vibration control device that significantly reduces vibration amplitude by adding an adjustable mass to a structural system in conjunction with springs and damping elements, thereby tuning the system's natural frequency to the frequency of the vibration source. It is widely used in high-rise buildings, bridges, wind turbine towers, precision machinery, and large industrial equipment to suppress resonance caused by wind loads, earthquakes, or mechanical vibrations. Its upstream mainly includes manufacturers of springs, dampers, precision mass blocks, hydraulic or friction damping components, as well as suppliers of structural materials such as high-strength steel and aluminum alloys; its downstream customers include building structure engineering companies, bridge construction projects, high-rise building developers, wind turbine tower manufacturers, precision equipment manufacturers, and related installation and maintenance service companies. Tuned mass vibration dampers effectively improve structural safety and comfort, especially exhibiting stable and reliable vibration reduction effects in extreme environments.

This report studies the global Tuned Mass Vibration Unit production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Tuned

Mass Vibration Unit and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Tuned Mass Vibration Unit that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Tuned Mass Vibration Unit total production and demand, 2021-2032, (K Units)

Global Tuned Mass Vibration Unit total production value, 2021-2032, (USD Million)

Global Tuned Mass Vibration Unit production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Tuned Mass Vibration Unit consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Tuned Mass Vibration Unit domestic production, consumption, key domestic manufacturers and share

Global Tuned Mass Vibration Unit production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Tuned Mass Vibration Unit production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Tuned Mass Vibration Unit production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Tuned Mass Vibration Unit market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Woelfel, GERB, LISEGA Group, MAURER SE, Flow Engineering, Enidine, Engiso, ESM GmbH, Micromega, Mageba-group, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Tuned Mass Vibration Unit market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Tuned Mass Vibration Unit Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Tuned Mass Vibration Unit Market, Segmentation by Type:

Active Type

Semi-active Type

Passive Type

Other

Global Tuned Mass Vibration Unit Market, Segmentation by Size:

Large Type

Small & Medium Type

Global Tuned Mass Vibration Unit Market, Segmentation by Application:

Buildings

Bridges

Industrial

Towers

Companies Profiled:

Woelfel

GERB

LISEGA Group

MAURER SE

Flow Engineering

Enidine

Engiso

ESM GmbH

Micromega

Mageba-group

TVS Acoustics

Vibratec

Warren Environment

A+H Custom Machine

DEICON

Key Questions Answered:

1. How big is the global Tuned Mass Vibration Unit market?
2. What is the demand of the global Tuned Mass Vibration Unit market?
3. What is the year over year growth of the global Tuned Mass Vibration Unit market?
4. What is the production and production value of the global Tuned Mass Vibration Unit market?
5. Who are the key producers in the global Tuned Mass Vibration Unit market?
6. What are the growth factors driving the market demand?

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