

Global Bolt Tension Gauge Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G371F46BCB7FEN.html>

Date: February 2024

Pages: 109

Price: US\$ 3,480.00 (Single User License)

ID: G371F46BCB7FEN

Abstracts

According to our (Global Info Research) latest study, the global Bolt Tension Gauge market size was valued at USD 196.5 million in 2023 and is forecast to a readjusted size of USD 294.2 million by 2030 with a CAGR of 5.9% during review period.

Bolt Tension Gauge is a measuring instrument to determine the magnitude of the axial force generated by a bolt.

Screws, including bolts, generate a force to fix objects by the elastic force that tries to return the screw itself to its original length after being pulled. The force that the bolt is pulled back to its original length is called the axial force, which is measured by the Bolt Tension Gauge.

In general, ultrasonic Bolt Tension Meter is widely used. They have the advantages of nondestructive inspection, small size, and can be used in any location.

The global market for bolt tension gauges is expected to witness significant growth in the coming years. Bolt tension gauges are used to measure the tension or load in bolts, ensuring that they are tightened to the correct specifications. These gauges are widely used in various industries such as construction, automotive, aerospace, and manufacturing.

One of the key factors driving the market growth is the increasing demand for accurate and reliable bolt tightening solutions. With the growing complexity of machinery and structures, it has become crucial to ensure that bolts are tightened to the correct tension to prevent failures and accidents. Bolt tension gauges provide a precise measurement

of the tension, allowing for proper bolt tightening and ensuring the safety and integrity of the equipment.

The construction industry is one of the major end-users of bolt tension gauges. The increasing construction activities, especially in emerging economies, are driving the demand for these gauges. The automotive industry is also a significant consumer of bolt tension gauges, as they are used in the assembly of vehicles to ensure the proper tightening of bolts in critical components.

Moreover, the growing focus on energy efficiency and sustainability is also expected to drive the demand for bolt tension gauges. Properly tightened bolts can help reduce energy loss and improve the overall efficiency of machinery and structures. This factor is particularly important in industries such as wind energy, where bolted connections play a crucial role in the stability and performance of wind turbines.

In terms of regional analysis, North America and Europe are expected to dominate the market due to the presence of well-established industries and stringent quality standards. However, the Asia Pacific region is expected to witness significant growth in the coming years, driven by the rapid industrialization and infrastructure development in countries like China and India.

The Global Info Research report includes an overview of the development of the Bolt Tension Gauge industry chain, the market status of Mass-produced (Mechanical, Electronic), Research and Development (Mechanical, Electronic), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Bolt Tension Gauge.

Regionally, the report analyzes the Bolt Tension Gauge markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bolt Tension Gauge market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Bolt Tension Gauge market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bolt Tension Gauge industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Mechanical, Electronic).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bolt Tension Gauge market.

Regional Analysis: The report involves examining the Bolt Tension Gauge market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bolt Tension Gauge market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bolt Tension Gauge:

Company Analysis: Report covers individual Bolt Tension Gauge manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bolt Tension Gauge This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Mass-produced, Research and Development).

Technology Analysis: Report covers specific technologies relevant to Bolt Tension Gauge. It assesses the current state, advancements, and potential future developments in Bolt Tension Gauge areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the Bolt Tension Gauge market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bolt Tension Gauge market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Mechanical

Electronic

Market segment by Application

Mass-produced

Research and Development

Major players covered

Checkline

Tohnichi America Corp.

ABQ Industrial

GENEQ inc.

Impact Instruments

Checkline Europe B.V.

DMV UK

Tohnichi Manufacturing

International Bolting Technologies, Inc.

Elcometer USA

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 Bolt Tension Gauge product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bolt Tension Gauge, with price, sales, revenue and global market share of Bolt Tension Gauge from 2019 to 2024.

Chapter 3, the Bolt Tension Gauge competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bolt Tension Gauge breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Bolt Tension Gauge market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Bolt Tension Gauge.

Chapter 14 and 15, to describe Bolt Tension Gauge sales channel, distributors, customers, research findings and conclusion.

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