

Global Universal Testing Machine Electronic Controllers 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 Universal Testing Machine Electronic Controllers market size was valued at US\$ 89.2 million in 2024 and is forecast to a readjusted size of USD 123 million by 2031 with a CAGR of 4.7% 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.

Universal Testing Machine (UTM) electronic controllers are crucial components in the operation of testing systems that evaluate the mechanical properties of materials. These controllers manage the machine's various functions, including load, displacement, and speed, ensuring accurate and repeatable results for tests like tensile, compression, bending, and cyclic testing.

The electronic controller of a Universal Testing Machine plays a vital role in managing the testing process, ensuring precise control of force, displacement, and other parameters. Advanced features like data acquisition, test automation, and closed-loop control systems make these controllers indispensable for materials testing, product development, and quality assurance across industries.

This report is a detailed and comprehensive analysis for global Universal Testing Machine Electronic Controllers 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 Universal Testing Machine Electronic Controllers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Universal Testing Machine Electronic Controllers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Universal Testing Machine Electronic Controllers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Universal Testing Machine Electronic Controllers market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Universal Testing Machine Electronic Controllers
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 Universal Testing Machine Electronic Controllers 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 MTS Systems, Instron, ADMET, Shimadzu, ZwickRoell, Walter+Bai AG, DOLI Elektronik GmbH, FORM+TEST Seidner&Co. GmbH, MICROTEST S.A., Tinius Olsen, etc.

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

Market Segmentation

Universal Testing Machine Electronic Controllers 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

PC-Based Controllers

Standalone Digital Controllers

Market segment by Application

Electromechanical UTM

Hydraulic UTM

Major players covered

MTS Systems

Instron

ADMET

Shimadzu

ZwickRoell

Walter+Bai AG

DOLI Elektronik GmbH

FORM+TEST Seidner&Co. GmbH

MICROTEST S.A.

Tinius Olsen

Shanghai Hualong Test Instruments

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 Universal Testing Machine Electronic Controllers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Universal Testing Machine Electronic Controllers, with price, sales quantity, revenue, and global market share of Universal Testing Machine Electronic Controllers from 2020 to 2025.

Chapter 3, the Universal Testing Machine Electronic Controllers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Universal Testing Machine Electronic Controllers 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 Universal Testing Machine Electronic Controllers 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 Universal Testing Machine Electronic Controllers.

Chapter 14 and 15, to describe Universal Testing Machine Electronic Controllers sales channel, distributors, customers, research findings and conclusion.

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