

Industrial Metrology - Company Evaluation Report, 2025

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Abstracts

The Industrial Metrology Market Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Industrial Metrology Market. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 27 EVA Films Companies were categorized and recognized as the quadrant leaders.

Industrial metrology ensures precision and accuracy in production and quality control. It encompasses measurement and inspection processes, calibration procedures, control of measurement systems, and the management of measuring instruments across various industries. By aligning measurements with industry requirements, industrial metrology enhances product quality, drives technological advancements, and fosters a competitive manufacturing environment. It also plays a key role in scientific and industrial development by supporting innovation and efficiency.

The industrial metrology market has been segmented based on offering, equipment, application, end-use industry, and region. In terms of offering, the market is categorized into hardware, software, and services. The equipment segment includes CMMs, ODS, measuring instruments, X-ray & CT systems, AOI Systems, form measurement machines, and 2D equipment. These technologies are widely used across various end-use industries, including aerospace & defense, automotive, architecture & construction, medical, electronics, energy & power, heavy machinery, mining, and other industries. Key applications of industrial metrology include quality control & inspection, reverse engineering, and mapping & modeling across these industries.

The value chain of the industrial metrology market consists of seven stages—research &

product development, raw material & component suppliers, original equipment manufacturers, distributors & suppliers, service providers, and end-use industries. Major value addition takes place during the raw material and component supplying and equipment manufacturing phases.

The 360 Quadrant maps the Industrial Metrology Market companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of GPU as a Service quadrant. The top criteria for product footprint evaluation Type (OFFERING(hardware, software, and services)) and (equipment(coordinate-measuring machines (CMMs), optical digitizer and scanner (ODS), measuring instruments, X-ray & computed tomography (CT) systems, automated optical inspection (AOI) systems, form measurement machines, and 2D equipment.)) application (quality control & inspection, reverse engineering, mapping & modeling, and other applications) and End users (aerospace & defense, automotive, manufacturing, semiconductor, and other end-use industries).

Key Players:

Key players operating in Industrial Metrology Market including Hexagon AB (Sweden), Carl Zeiss AG (Germany), Keyence Corporation (Japan), KLA Corporation (US), and Mitutoyo Corporation (Japan).

Hexagon AB

Hexagon AB stands as a leader in the industrial metrology sector, known for its comprehensive company market share and robust product portfolio. It holds a market share ranging from 12-15%, which asserts its dominant position. Hexagon AB's product innovations, such as the Leica Absolute Tracker ATS800, underline its commitment to quality control and inspection in precision manufacturing. The company significantly invests in R&D, focusing on the development of metrology equipment that integrates advanced technologies like laser tracking for improved efficiency in large-scale manufacturing. Its strategic acquisitions, including the Geomagic suite, enhance its software offerings, thereby strengthening its hold in the market.

Carl Zeiss AG

Another leading entity, Carl Zeiss AG, holds 9-12% of the market share, attributing to its strong presence in Europe and a diversified product portfolio. Renowned for its industrial quality and research capabilities, Carl Zeiss continues to innovate in the fields

of digital manufacturing and optical metrology. The company's focus on optical systems and high-quality imaging technology supports its position as a key manufacturer in the precision measuring technology landscape. Despite some revenue challenges in parts of 2024, Carl Zeiss's commitment to product development and global expansion ensures its prominent standing.

Keyence Corporation

Keyence Corporation, with a market share of 5-8%, is another major player noted for its expansive company product portfolio and continuous market presence in Asia Pacific. The company emphasizes innovation across its product lines, including automation and 3D measurement solutions, to enhance operational efficiency and customer satisfaction. Keyence's strategic emphasis on new technology implementations and product launches further solidifies its role as a pioneer in the industrial metrology market.

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