Global Semiconductor Metrology Market 2022 - Industry Briefing

Abstracts

Metrology is the science of measuring and characterizing tiny structures and materials, and there are a number of tools and technologies within this category. It is important for the management of the semiconductor manufacturing process. There are 400-600 steps in the overall manufacturing process of semiconductor wafers, which are undertaken in the course of one to two months. If any defects occur early on in the process, all the work undertaken in the subsequent time-consuming steps will be wasted. Metrology processes are therefore established at critical points of semiconductor manufacturing process to ensure that a certain yield can be confirmed and maintained. According to market research study published by Gen Consulting Company, the global semiconductor metrology market stood at around USD 1,474 million in 2021 and is projected to rise to a worth of USD 2,144 million by 2028 end, thereby garnering a CAGR of 5.5% during 2022-2028.

This industry report offers market estimates of the global market, followed by a detailed analysis of the measurement type, and region. The global market data on semiconductor metrology can be segmented by measurement type: critical dimension (CD) measurement, film thickness measurement, overlay measurement. The CD measurement segment captured the largest share of the market in 2021. Semiconductor metrology market is further segmented by region: Asia Pacific, Europe, North America, Rest of the World (RoW).

The global semiconductor metrology market is highly competitive. The leading players in the pain management drugs market include Applied Materials Inc., ASML Holding N.V., AUROS Technology Inc., Hitachi High-Technologies Corporation, JASCO International Co. Ltd., KLA Corporation, Malvern Panalytical Ltd., Nova Ltd., Onto Innovation Inc., Zygo Corporation.

The data-centric report focuses on market trends, status and outlook for segments. With comprehensive market assessment across the major geographies, the report is a valuable asset for the existing players, new entrants and the future investors.

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