

Medical Imaging Workstations Market Size, Share & Trends Analysis Report By Usage Mode (Thick, Thin), By Application (Conventional, Advanced), By Component, By Modality, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

This report can be delivered to the clients within 1 Business Day

Medical Grade Ultra High Molecular Weight Polyethylene Monomer Market Growth & Trends

The global medical grade ultra high molecular weight polyethylene monomer market size is expected to reach USD 4.16 billion by 2030, registering a CAGR of 9.5% from 2024 to 2030, according to a new report by Grand View Research, Inc. The effectiveness of the material in medical implants due to its superior properties such as high impact strength, low reactivity, and good flexibility is expected to drive the demand over the forecast period.

UHMWPE is a material having long chains which enable it to efficiently transfer load, thus making it suitable for implantation applications. The material is extremely pliable and has good impact strength. The material has less weight as compared to metals. All these properties have increased the demand for UHMWPE for medical applications in the recent past, and this trend is expected to continue over the forecast period.

Joint replacement surgeries use ultra high molecular weight polyethylene due to its effectiveness and versatility options. There has been a surge in demand for joint replacement surgeries across the globe. Rising geriatric population, changing lifestyle and lack of fitness are the contributing factors for this trend. This trend is expected to

benefit the overall demand over next eight years.

Major industry participants are trying to develop innovative implantable products which have a longer life, are more comfortable, and give a strong mechanical performance. The market is characterized by few companies occupying a dominant revenue share. Companies are taking steps to increase the product portfolio and production capacity to meet the rising demand.

Medical Grade Ultra High Molecular Weight Polyethylene Monomer Market Report Highlights

Knee replacements have accounted for the dominant share of 40.9% in 2023 owing to the increasing prevalence of osteoarthritis and other joint-related conditions.

Total hip replacement surgeries are expected to emerge at the fastest-growing CAGR during the forecast period owing to the escalating prevalence of osteoarthritis and rheumatoid arthritis.

The medical grade ultra high molecular weight polyethylene monomers market in Asia Pacific registered 40.5% as the dominant market share in 2023.

The North America medical grade ultra high molecular weight polyethylene monomers market secured 26.0% of the market share in 2023 owing to the region's growing investment in the healthcare infrastructure.

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