Rigid Endoscopes Market by Type (Laparoscopes, Arthroscopes, Cystoscopes), Clinical Usage (Diagnostic, Surgical), Application (Laparoscopy, Cystoscopy, Arthroscopy, Other), End User (Hospitals, ASCs, Clinics), Region - Global Forecast to 2030

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Abstracts

The global rigid endoscopes market is projected to reach USD 2.32 billion by 2030, growing from USD 1.83 billion in 2025, at a CAGR of 4.9% during the forecast period. The growth of the rigid endoscopes market is driven by the rising prevalence of chronic diseases, increasing demand for minimally invasive surgeries, and advancements in imaging and optics technology. Opportunities exist in emerging markets due to the expansion of healthcare infrastructure, increasing procedural volumes, and rising medical tourism, which enable the adoption of advanced endoscopic solutions. However, market growth faces challenges from risks of viral infections, lack of proper sterilization and reprocessing, and high procedural costs, which may limit widespread adoption, particularly in resource-constrained regions.

The arthroscopes segment is expected to grow at the fastest rate in the rigid endoscopes market during the forecast period.

By type, the rigid endoscopes market is segmented into laparoscopes, urology endoscopes, gynecology endoscopes, arthroscopes, cytoscopes, neuroendoscopes, and other rigid endoscopes. Among these, the urology endoscopes segment accounted for the second-largest market share in 2024, owing to the increasing prevalence of musculoskeletal disorders, particularly among the aging global population. According to the WHO, the number of people aged 60 and above is projected to rise from 1.1 billion

in 2023 to 1.4 billion by 2030, creating a substantial patient pool at higher risk for joint-related conditions. Age-related degenerative diseases such as osteoarthritis are becoming more common, with the CDC reporting that arthritis prevalence increases sharply with age—from 3.6% in adults aged 18–34 to 53.9% in individuals 75 and older—driving demand for minimally invasive orthopedic interventions. Arthroscopy offers a precise, less invasive solution for diagnosing and treating joint injuries, reducing recovery time, and improving surgical outcomes, which enhances patient preference and procedural adoption. Additionally, advancements in high-definition imaging, improved surgical instruments, and growing awareness among orthopedic specialists are further accelerating the adoption of arthroscopes, positioning this segment for the fastest growth within the rigid endoscopes market.

The surgical usage segment accounted for the largest share of the rigid endoscopes market in 2024.

By clinical usage, the rigid endoscopes market has been divided into diagnostic & surgical usage. Among these, the surgical usage segment accounted for the largest share of the market in 2024. This is due to the increasing adoption of minimally invasive procedures across multiple specialties, including laparoscopy, arthroscopy, urology, gynecology, and ENT. Rigid endoscopes serve as the core platform for these interventions, offering superior optical clarity, high-definition and 4K visualization, and robust, autoclavable designs that integrate seamlessly with surgical instruments and operating room workflows. The growing preference for minimally invasive surgeries is driven by benefits such as shorter hospital stays, reduced post-operative complications, faster patient recovery, and enhanced clinical outcomes, which directly influence procedure volumes and market demand for rigid scopes.

Asia Pacific is projected to grow at the highest rate in the rigid endoscopes market during the forecast period.

The global rigid endoscopes market is segmented into five major regions: North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. Among these, the Asia Pacific region is projected to grow at the highest rate during the forecast period. This is primarily due to the development of healthcare infrastructure, increasing healthcare expenditure, and rising awareness of early disease detection across populous nations such as China and India. These countries are investing heavily to enhance diagnostic and surgical capabilities, particularly to manage the rising cases of chronic diseases, such as cancer, pulmonary, and urological disorders. Japan's well-established healthcare system with universal insurance coverage ensures wide accessibility to advanced endoscopic procedures. Moreover, increasing medical tourism, favorable government initiatives, and the rising adoption of minimally invasive technologies are accelerating market penetration, making the Asia Pacific a high-growth region in the global rigid endoscopes market.

A breakdown of the primary participants referred to for this report is provided below:

By Company Type: Tier 1 –40%, Tier 2 –30%, and Tier 3 –30%

By Designation: C-level –50%, Director level –30%, and Others –20%

By Region: North America –30%, Europe – 25%, Asia Pacific –20%, Latin America –15%, and Middle East & Africa –10%

Notes:

Companies are classified into tiers based on their total revenue. The tiers are as follows: Tier 1 = >USD 10.0 billion, tier 2 = USD 1.0 billion to USD 10.0 billion, and tier 3 =

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