

Duodenoscopes Market Size, Share & Trends Analysis Report By Product (Reusable, Disposable), By Application (Diagnostics, Therapeutics/Treatment), By End Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Duodenoscopes Market Size & Trends

The global duodenoscopes market is anticipated to reach USD 2.20 billion by 2030 and is anticipated to expand at a CAGR of 5.53% from 2024 to 2030, according to a new report by Grand View Research, Inc. Advances in technology have resulted in duodenoscopes that offer better imaging capabilities, enhanced maneuverability, and integration with cutting-edge diagnostic tools, which increases their effectiveness in both diagnostic and therapeutic applications. Moreover, the rising prevalence of gastrointestinal disorders has escalated the demand for endoscopic procedures, driving market growth further. A growing focus on patient safety and infection control has led to a rise in single-use duodenoscopes, which help reduce the risk of cross-contamination.

The shift towards minimally invasive procedures refers to a broader trend in modern medicine where doctors prefer using techniques involving smaller incisions, less tissue damage, and quicker patient recovery times. Instead of traditional open surgeries, which are more invasive and require more extended hospital stays, minimally invasive methods allow for faster healing, fewer complications, and less pain.

The market is growing due to technological advancements that enhance the

effectiveness and user-friendliness of these devices. Duodenoscopes, used mainly for ERCP procedures, feature high-definition imaging, improved flexibility, and control, allowing for better detection of abnormalities and safer procedures. Some models now include AI features for real-time image analysis and navigation, leading to quicker and more accurate diagnoses. These innovations are prompting hospitals and clinics to invest in newer models, driving market growth.

Endoscopic procedures, such as Endoscopic Ultrasonography (EUS) and Endoscopic Retrograde Cholangiopancreatography (ERCP), are valuable in detecting & assessing cancer in the gastrointestinal tract, lung, and other areas. These procedures allow for precise visualization of internal tissues, biopsy collection, and even the removal of precancerous growths or early-stage tumors without open surgery. This improves patient outcomes and significantly reduces recovery times & the risk of complications associated with invasive surgical procedures.

Moreover, advancements in endoscopic technologies, including high-definition visualization and the integration of artificial intelligence (AI) for enhanced diagnosis, are making these procedures even more effective at detecting and treating cancer at its early stages.

Duodenoscopes Market Report Highlights

Based on product, the reusable segment held the largest market share in 2024. This is attributed to the increasing demand for advanced gastrointestinal endoscopic procedures, particularly endoscopic retrograde cholangiopancreatography (ERCP)

The therapeutics/ treatment segment held the largest market share in 2024 based on application. This can be attributed to healthcare providers increasingly preferring minimally invasive techniques due to their associated benefits, such as reduced recovery times

The outpatient facilities segment held the largest market share in 2024 based on end use. This can be attributed to increasing advancements in medical technology and changing patient preferences towards less invasive procedures

Some prominent players in the market include Ambu A/S, Olympus Corporation,

Boston Scientific Corporation, PENTAX Medical (Hoya Corporation), FUJIFILM Holdings Corporation, Ottomed Endoscopy, and SonoScape Medical Corp.

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