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Non Vascular Stent Market By Product Type (Gastrointestinal Stents, Pulmonary Stents, Urological Stents, Others), By Material Type (Metallic Stents, Non metallic Stents), By End User (Hospitals, Ambulatory Surgical Centers, Others): Global Opportunity Analysis and Industry Forecast, 2024-2035

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Abstracts

The global non vascular stent market size was valued at $1.6 billion in 2023, and is estimated to reach $2.7 billion by 2035, growing at a CAGR of 4.5% from 2024 to 2035. Stents are tubular medical devices designed to keep passageways in the body open, typically used to treat obstructions or narrowing. They can be vascular, placed in blood vessels, or non vascular, used in lumens like the gastrointestinal, biliary, urinary, or respiratory tracts. Non vascular stents work by providing structural support to maintain patency in blocked or narrowed passages. They are deployed using minimally invasive techniques such as endoscopy or fluoroscopy and expand to the desired size, either through self-expansion or balloon dilation. Made from materials such as nitinol (a shape-memory alloy), stainless steel, polymers, or biodegradable substances, non vascular stents often feature coatings to reduce inflammation or prevent infection. These stents alleviate symptoms, improve organ function, and enhance quality of life.

Rise in aging population is one of the most significant drivers for the expansion of the non vascular stent market. According to the Population Reference Bureau (PRB), the number of Americans aged 65 and older is expected to increase from 58 million in 2022 to 82 million by 2050, marking a 47% rise. As the elderly population grows, the prevalence of age-related chronic diseases, such as gastrointestinal disorders, respiratory diseases, and cancers, also increases. These conditions often lead to obstructions in non vascular lumens, requiring stent placement to restore proper

function and alleviate symptoms. Thus, demand for non vascular stents is expected to rise significantly as more elderly patients require these medical devices for effective treatment and symptom management.

In addition, rise in preference for minimally invasive procedures has played a critical role in driving market growth. Minimally invasive surgeries, such as stent placement, offer numerous benefits over traditional open surgeries, including shorter recovery times, reduced risk of complications, and improved patient comfort. These advantages make minimally invasive treatments highly attractive to both patients and healthcare providers, further accelerating the adoption of non vascular stents. The trend towards minimally invasive procedures is also fueled by rise in awareness of their benefits, encouraging patients to opt for less invasive alternatives for conditions such as biliary and gastrointestinal obstructions.

Moreover, technological innovation is contributing to the market growth by introducing advanced stent options that cater to a broader range of patient needs. Development of MRI-compatible stents has enhanced treatment options for patients who require magnetic resonance imaging (MRI) during their diagnosis or treatment. These MRI-compatible stents can withstand the magnetic field of MRI machines without compromising their functionality, making them suitable for a more extensive set of patients. As these technological advancements continue to improve, they will further contribute to the adoption and expansion of non vascular stents, addressing the evolving demands of the healthcare market and increasing patient outcomes. Thus, rise in aging population, rise in preference for minimally invasive options, and technological innovations drive the growth of the market.

The non vascular stent market is segmented into product type, material type, end user, and region. On the basis of product type, it is segmented into gastrointestinal stents, pulmonary (airway) stents, urological stents, and others. On the basis of material type, the market is classified into metallic stents, and non-metallic stents. On the basis of end user, it is classified into hospitals, ambulatory surgical centers, and others. On the basis of region, the market is segmented into North America, Europe, Asia-Pacific, and LAMEA.

The major companies profiled in the report include ELLA– CS, s.r.o., Boston Scientific Corporation, Hobbs Medical Inc., Becton, Dickinson & Company, W.L. Gore & Associate Inc., Medtronic Plc, MICRO-TECH (Nanjing) Co., Ltd., Q3 Medical Group, CONMED Corporation, and Cook Medical. The key players have adopted product approval as the key strategies for expansion of their product portfolio.

Key Benefits for Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the non vascular stent market analysis from 2023 to 2035 to identify the prevailing non vascular stent market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the non vascular stent market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global non vascular stent market trends, key players, market segments, application areas, and market growth strategies.

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Key Market Segments

By Material Type

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Metallic Stents

Non metallic Stents

By End User

Hospitals

Ambulatory Surgical Centers

Others

By Product Type

Gastrointestinal Stents

Pulmonary Stents

Urological Stents

Others

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- Spain
- Rest of Europe

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- India
- Australia
- South Korea
- Rest of Asia-Pacific

LAMEA

- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA

Key Market Players

- ELLA – CS, s.r.o.
- Becton, Dickinson, and Company

W.L. Gore & Associate Inc.

CONMED Corporation

Q3 Medical Group

Micro-tech (nanjing) Co., Ltd.

Hobbs Medical Inc.

Cook Group

Boston Scientific Corporation

Medtronic plc

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