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India Drying Cabinet for Automated Endoscope Reprocessing Market Assessment By Product [Single Door Cabinet, Double Door Cabinet, Multiple Door Cabinet], By Size & Capacity [Small, Medium, Large], By Application [Endoscopy, Dental, Surgical Instruments, Laboratory Glassware], By Features [Standard Drying Cabinets, Automated Drying Cabinets, High-Efficiency Drying Cabinet, Portable Drying Cabinet], By Material [Stainless Steel, Seawater Resistant Steel], By End-user [Hospitals, Clinics, Others], By Region, Opportunities and Forecast, FY2017-FY2031F

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Abstracts

The India Drying Cabinet Automated Endoscope Reprocessing Market was valued at USD 9.98 million in FY2023 which is expected to reach USD 20.22 million in FY2031, growing at a CAGR of 9.23% for the forecasted period between FY2024 and FY2031. The growth of the market is fueled by various factors such as increasing procedure volume of endoscopy, increased emphasis on infection control, government initiatives and advancements in technology. Drying cabinets are used for the purpose of drying various medical items such as breathing bags, connector components, scopes, surgical instruments, metal utensils, glassware, and other supplementary equipment. Modern drying cabinets offer several advantages over conventional drying cabinets such as enhanced drying efficiency, improved quality, space optimization, automation and advanced features. The India drying cabinet automated endoscope reprocessing market

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is being hindered by challenges such as limited access in rural areas, shortage of skilled professionals, cost and affordability.

Multiple Door Drying Cabinet Will Dominate the Market

The India drying cabinet automated endoscope reprocessing market has been segmented into single-door drying cabinets, double-door drying cabinets, and multiple-door drying cabinets. Multiple-door drying cabinets offer several advantages over single and double-door drying cabinets. Firstly, multiple-door cabinets provide increased capacity and storage options, allowing for drying and storing a larger number of items simultaneously. This is particularly beneficial for facilities with high-volume or diverse endoscope reprocessing needs. Additionally, multiple-door cabinets can provide better organization and segregation of different types of endoscopes or accessories, reducing the risk of cross-contamination. The separate compartments in multiple door cabinets also allow for independent drying cycles, optimizing efficiency and reducing turnaround time. Multiple-door drying cabinets are expected to continue gaining popularity in the future. The ability to handle larger capacities, offer better organization and enhance workflow efficiency positions multiple-door drying cabinets as a favorable choice for healthcare facilities seeking effective and scalable endoscope reprocessing solutions.

Rising Awareness about Infection Control Practices

The increasing awareness about infection control practices has had a significant impact on the drying cabinet market. Healthcare providers and regulatory bodies in India are placing a greater emphasis on patient safety and the prevention of healthcare-associated infections (HAIs). This increased awareness has led to a growing recognition of the importance of effective endoscope reprocessing and the role of drying cabinet in maintaining high-level disinfection standards. As a result, there is a rising demand for advanced drying cabinets that offer improved disinfection capabilities, enhanced monitoring systems, and compliance with reprocessing guidelines. The market is witnessing a shift towards the adoption of drying cabinets that provide reliable, consistent, and standardized cleaning and disinfection procedures, ensuring patient safety and reducing the risk of cross-contamination. The increasing awareness about infection control practices is driving the growth of the India drying cabinet market, as healthcare facilities seek to enhance their reprocessing protocols and prioritize patient well-being.

Pfizer in partnership with Trained Nurses Association (TNAI) and Americares India Foundation conducted a workshop for nurses to raise awareness for antimicrobial

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stewardship and infection prevention control. More than 200 nurses attended the workshop from Maharastra Nursing Council, Hinduja Hospital, Sahyadri Hospital and Criticare Asia.

Government Initiatives

The Indian government has actively taken steps to promote and implement measures aimed at improving healthcare standards, which includes the adoption of drying cabinets. Recognizing the crucial role that drying cabinets play in preventing cross-contamination and ensuring patient safety during endoscopic procedures, the government has given priority to their utilization. In collaboration with the National Centre for Disease Control, healthcare institutions, and manufacturers, the government introduced the 'National Guidelines for Infection Prevention and Control in Healthcare Facilities' in 2020. The objective of this initiative is to reduce the incidence of hospital-acquired infections among patients, healthcare professionals, and visitors. It seeks to achieve this by empowering and providing support to healthcare workers at all levels to adhere to comprehensive infection prevention and control measures. The initiative focuses on delivering healthcare that is safe and of high quality, with the aim of reducing illness and mortality rates.

Technological Advancements

Over the past few years, the India drying cabinet automated endoscope reprocessing market has experienced notable technological progress. Manufacturers are incorporating innovative features and technologies to improve the effectiveness, performance, and user experience of drying cabinets. These advancements encompass the integration of forced air circulation systems, precise temperature control mechanisms, automated drying cycles, and advanced airflow patterns. Some drying cabinets are now equipped with HEPA filters, ensuring superior air filtration and the maintenance of a sterile environment for stored equipment. Moreover, manufacturers are prioritizing user-friendly controls, touch-screen interfaces, and enhanced data management systems to enhance functionality and ease of use. These technological developments are propelling the expansion of the India drying cabinet automated endoscope reprocessing market, as healthcare facilities seek more sophisticated and efficient solutions for equipment drying and storage.

Impact of COVID-19

With the outbreak of the COVID-19 virus, hospitals and research labs experienced a

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surge in demand for drying cabinets, particularly for sterilization and drying of medical equipment, personal protective equipment (PPE), and laboratory instruments. The need for proper sterilization and drying protocols to ensure the safety of healthcare workers and researchers became crucial. This led to an increased adoption of drying cabinets in hospitals and research labs across the country. The impact was significant, as a meager proportion (less than 10%) of the usual number of endoscopy procedures that were being conducted across different healthcare settings compared to the pre-pandemic era. The pharmaceutical industry, which plays a vital role in vaccine production and research, also witnessed a surge in demand for drying cabinets. However, the pandemic also disrupted the global and local supply chains, causing delays in the production and delivery of drying cabinets. Other factors such as manufacturing and logistical challenges, raw material shortages, and lockdown measures also impacted the India drying cabinet market's growth to a certain extent.

Key Players Landscape and Outlook

The India drying cabinet automated endoscope reprocessing market has witnessed the emergence of several key players, contributing to a dynamic and competitive landscape. Prominent companies in this market include Olympus Corporation, Steris Plc, Shinva Medical Instrument Co. Ltd., Steelco S.p.A and few local players. These players offer a wide range of drying cabinet solutions for various applications, including dental, surgical instruments, endoscopy, laboratory instruments etc. The anticipated market expansion is expected to be propelled by the growing adoption of organic growth tactics by leading market participants. These strategies mainly encompass the introduction of fresh products to broaden their portfolio and vary their offerings.

The recent drying cabinet tenders attracted notable participants such as the Indian Institute of Science Education and Research, Balmer Lawrie and Co. Ltd., and the Department of Consumer Affairs, and many others. In terms of state rankings , Maharashtra secured the highest number of bids for the tenders, followed by Delhi, Andhra Pradesh, Odisha, and Gujarat. These states demonstrated a significant level of interest and participation in the tender process, highlighting the growing demand for drying cabinet solutions in various regions across India.

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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