

Germany Clear Aligners Market Forecast to 2028 -COVID-19 Impact and Country Analysis By Material Type [Polyurethane Plastic, Polyethylene Terephthalate Glycol (PETG), Poly-Vinyl Chloride (PVC), and Others], Age (Adults and Teenagers), and End User (Hospitals, Dental & Orthodontic Clinics, and Others)

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Abstracts

The Germany clear aligners market size is expected to grow from US\$ 220.55 million in 2022 to US\$ 673.41 million by 2028; it is estimated to record a CAGR of 20.4% from 2022 to 2028. Germany clear aligners market growth is attributed to the growing prevalence of dental problems and increasing demand for dental cosmetic procedures. However, the high cost of clear aligners hampers the market growth.

Dental cosmetic surgery is one of the most common cosmetic procedures across Europe. The increasing significance of aesthetics, rising aging population, willingness to spend out-of-pocket, and growing awareness of oral hygiene and aesthetics are among the primary factors driving the Germany clear aligners market growth in Germany. Orthodontic treatment is one of the most common dental procedures in developed countries. Highly qualified dentists and good coverage of the population together make dental care in Germany one of the best in Europe. Dentistry is semi-private in the German healthcare system. The country has always been at the forefront of excellence in healthcare, including dentistry. Thus, Germany is one of the most popular choices for cosmetic dentistry. Most people prefer Germany for dental implants owing to the good prices, impressive facilities, all-inclusive treatment packages, and availability of internationally renowned dentists. Advanced dental infrastructure in Germany also includes the latest materials, techniques, and technologies; Dentists work in clinics that



are familiar with the care of patients.

Cosmetic surgeries have become one of the largest demanding sectors in recent years. The aesthetic procedures are no longer restricted to only the rich and famous. The middle-class population has increasingly been witnessed to undergo these procedures due to the high urge to have enhanced aesthetic appeals. Considering the easy accessibility and practicality of dental with reforming surgical procedures, an increase in the number of surgeries performed is likely to be a prominent driver for the Germany clear aligners market.

Many patients from developed countries such as the US and the UK choose Germany for their treatment. Moreover, Germany clear aligners market players in the country are developing innovative products to offer cost-effective cosmetic dental procedures. Thus, the growing cosmetic dentistry drives the Germany clear aligners market.

Digitization Grown by CAD/CAM Technology to Fuel Germany Clear Aligners Market Growth During Forecast Period

Computer-aided design (CAD) and computer-aided manufacturing (CAM) software help dentists accomplish complex procedures faster, more effortlessly, and accurately. The CAD/CAM technology constructs repairs such as dental veneers, crowns, inlays, onlays, and bridges, from a single block of ceramics that makes the final products including clear aligners more accurate than conventional fabrication methods.

Advances in dental materials and computer technology have helped CAD/CAMfabricated restorations not just possible in dentistry but plentiful. When using CAD/CAM systems, operators can fabricate restorations from ceramics, metal alloys, and various composites. Also, dental service consumers are becoming demanding in terms of aesthetics, with a clear notion for a minimum of staying and delaying in the dental offices. CAD/CAM technology for milling of these prostheses in dental laboratories, as well as dental offices, has helped to fulfil the demand of cosmetic dentistry users. A few benefits offered by these systems include user-friendly operations, digital impressions, single-visit treatments, accelerated practice growth, improvement in patient safety, longlasting restorations, and others. The CAD/CAM technology offers real-time troubleshooting that decreases the remaking of dental fixtures as the system can notify incorrect bit-offs.

Dentists have found that patients treated using these technologies have decreased side effects for this type of treatment. CAD/CAM technology is rapidly being approved in the



dental industry as it permits dentists to enhance their services and offer their patients a suitable experience. Also, 3D printing technology continues to advance; moreover, the prices are expected to come down in the future. The cost incurred by dental laboratories to develop a 3D printed model using an intraoral scan and CAD/CAM processes is less compared to the expenses of making it conventionally. Thus, the advantages provided by CAD/CAM technology in dentistry are likely to boost the Germany clear aligners market.

Material Type -Based Insights

Based on material type, the Germany clear aligners market is segmented into polyurethane plastic, polyethylene terephthalate glycol (PETG), poly-vinyl chloride (PVC), and others. In 2022, the polyurethane plastic segment held the largest market share, and it is anticipated to register the highest CAGR during the forecast period. Polyurethane plastic is made of biocompatible resin splint, and it seems to be transparent. Polyurethane is a versatile elastomer plastic. It is used in various proportions used in clear aligners manufacturing. Polyurethane plastic has various properties such as hardness, flexibility, resistance to water and oil, strong bonding with compounding materials, and tear resistance. Thus, polyurethane plastic is widely used in clear aligners manufacturing the market growth for the segment.

Based on end user, the Germany clear aligners market is segmented into hospitals, dental & orthodontic clinics, and others. The hospitals segment led the market in 2022 with a share of 58.63% and is expected to retain its dominance during the forecast period by holding 56.40% of the total market share by 2028. The market growth for the hospital segment is attributed to the increasing prevalence of orthodontic disorders and dental malocclusion, rising awareness about the aesthetic value of cosmetic dentistry, and increasing per capita income. Additionally, an increasing number of hospitals providing dental services in Germany such as Vivantes Hospital Group, University Hospital Rechts der Isar, Meoclinic Hospital, Helios Park Hospital, Helios Hospital, Solingen Municipal Hospital, and University Hospital D?sseldorf is expected to boost the Germany clear aligners market growth during the forecast period.



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