

# **Europe Dental Lithium Disilicate Market– Segmented By Type (Crown, Veneering, Bridge), By Application (Hospitals, Dental Clinics, Other), By Country, Competition, Forecast, Opportunities, 2018-2028F**

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## **Abstracts**

Europe Dental Lithium Disilicate Market is anticipated to project robust growth in the forecast period. Dental lithium disilicate stands as a prominent ceramic material extensively utilized in restorative dentistry, renowned for its outstanding aesthetic properties, durability, and longevity. Some key facets of this material include its composition primarily comprising lithium oxide (Li<sub>2</sub>O) and silicon dioxide (SiO<sub>2</sub>), resulting in a versatile glass-ceramic material suitable for diverse dental applications. It is highly regarded for its exceptional flexural strength and resistance to fractures, making it a preferred choice for dental restorations that endure the pressures of regular mastication. One of the remarkable advantages of dental lithium disilicate lies in its ability to closely mimic the natural appearance of teeth. Its shade can be meticulously matched to seamlessly blend with a patient's existing dentition, making it an excellent choice for achieving aesthetic harmony.

Moreover, the material's inherent translucency allows light to pass through, akin to natural tooth enamel, enhancing its lifelike visual appeal. This characteristic makes it a favored option across various dental applications. Dental crowns fashioned from lithium disilicate provide robust reinforcement for compromised teeth, while thin veneers effectively enhance the anterior surface appearance. For moderate damage, partial coverage restorations like inlays and onlays prove to be highly effective. Additionally, lithium disilicate finds utility in constructing dental bridges to replace missing teeth, involving a precise impression, CAD-assisted design, and CAM milling from a lithium disilicate block. Significant advancements and a multitude of brands in the market have contributed to heightened strength and aesthetics of these restorations. Following

fabrication, the restoration is securely bonded to the prepared tooth using dental cement. To maintain these restorations effectively, patients should adhere to a routine dental care regimen that includes regular brushing, flossing, and timely check-ups. It's crucial to recognize that while dental lithium disilicate boasts exceptional durability and aesthetic appeal, the selection of a specific material for a dental restoration hinge on various factors. These factors include the individual needs of the patient, the location of the restoration, and the professional judgment of the dentist. Patients are strongly advised to consult their dentist to determine the most optimal material for their specific case, ensuring the best possible outcome for their dental restoration.

## Key Market Drivers

### Increasing for Aesthetic Dental Solutions

The European market for dental lithium disilicate is witnessing a notable surge in demand due to the increasing popularity of aesthetic dental solutions. This particular material has become a cornerstone in the field of aesthetic dentistry owing to its exceptional qualities and versatile applications. The rising demand for aesthetic dental solutions across Europe has propelled the prominence of dental lithium disilicate. This material is highly regarded for its ability to closely replicate the natural appearance of teeth. Its aesthetic appeal is further enhanced by its translucency, allowing it to mimic the light-transmitting properties of natural tooth enamel. The European market for dental lithium disilicate has seen a substantial uptick in the utilization of this material for various aesthetic dental procedures. Dental crowns crafted from lithium disilicate offer not just robustness but also aesthetic enhancement for compromised teeth. Additionally, thin veneers made from this material are proving to be an excellent choice for improving the appearance of the anterior surface of teeth. The versatility of dental lithium disilicate extends to partial coverage restorations like inlays and onlays, effectively addressing moderate dental damage while maintaining aesthetic appeal. Furthermore, its use in the construction of dental bridges to replace missing teeth has gained traction due to the material's ability to blend seamlessly with natural dentition. The European market's increasing inclination towards aesthetic dental solutions has led to advancements in dental lithium disilicate technology. These advancements have resulted in enhanced strength and improved aesthetics, meeting the rising expectations of both dental practitioners and patients. Given the growing emphasis on aesthetics in dental treatments and the versatility offered by dental lithium disilicate, the market for this material in Europe is experiencing a significant upsurge. Its ability to combine strength, durability, and exceptional aesthetics positions it as a preferred choice in fulfilling the rising demand for aesthetic dental solutions across the region.

## Rising Awareness of Advanced Dental Materials

The burgeoning awareness surrounding advanced dental materials is undeniably reshaping the landscape of dentistry, steering both patients and practitioners towards a heightened appreciation for cutting-edge materials in dental treatments. This transformative trend is underpinned by several pivotal factors, collectively fueling the growth and adoption of these innovative materials. Foremost among these factors are the significant advancements witnessed in dental materials. Materials such as dental lithium disilicate, zirconia, and composite resins offer a remarkable blend of strength and aesthetics, surpassing their conventional counterparts. The awareness of these enhanced benefits is driving a notable shift in preferences, with both dentists and patients increasingly favoring these advanced materials for superior treatment outcomes. Crucially, the accessibility of information through various platforms has played a pivotal role in disseminating knowledge about these advancements. Patients are now better informed and proactive in their dental decisions, actively seeking treatments that harness the potential of the latest materials for optimal results. Simultaneously, dentists are staying abreast of these developments, integrating them into their practice to meet evolving patient expectations. This burgeoning awareness isn't merely a trend; it's fostering a higher standard of care and heightened patient satisfaction. Patients today seek not just resolution to dental issues but enduring, aesthetically pleasing solutions. Consequently, there's a surge in demand for restorations and treatments utilizing advanced materials known for their durability, natural appearance, and compatibility with the body. Regulatory bodies and professional organizations within the dental industry play a pivotal role in furthering this awareness. Their guidelines and recommendations endorse the use of advanced materials, emphasizing their role in delivering high-quality care. Dentists embracing these materials are perceived as progressive and committed to achieving the best outcomes for their patients. Moreover, the positive patient experiences associated with these advanced materials foster word-of-mouth referrals and patient loyalty. Satisfied patients are inclined to recommend their dentist to others, expanding the patient base of practices that prioritize these materials in their treatments. In essence, the rising awareness of advanced dental materials is fundamentally altering the dental landscape. It's not only influencing treatment preferences but also driving a paradigm shift towards superior care standards and patient-centric outcomes. This evolving awareness represents a fundamental shift in the way dentistry is practiced and perceived, emphasizing the pivotal role of innovation in delivering optimal dental care experiences.

## Key Market Challenges

## High Cost Associated with Advanced Dental Materials

The cost associated with advanced dental materials, such as dental lithium disilicate, significantly shapes the dynamics of the dentistry market. Despite their superior properties in strength, aesthetics, and durability, the high price tags of these materials pose challenges for both dental practitioners and patients. For dental practices, procuring these high-cost materials can strain financial resources, particularly for smaller or independent practitioners. The initial investment required for acquiring these advanced materials, along with the necessary equipment and technology for their utilization, can be substantial. This expense might dissuade some practices from adopting these materials, especially those operating with tighter budgets or in regions with limited financial resources. Moreover, the high cost of advanced dental materials can potentially be passed on to patients through higher treatment fees. This could raise concerns about affordability, particularly for certain patient demographics. Individuals lacking comprehensive dental insurance coverage or those seeking elective cosmetic procedures may find it challenging to justify the additional expense associated with these materials. Additionally, the cost factor often influences decision-making for both practitioners and patients when selecting dental materials. While advanced materials like dental lithium disilicate offer exceptional benefits, the financial implications might lead some to opt for more cost-effective alternatives. Even if these alternatives do not provide the same level of performance or aesthetics, the cost considerations can sway choices. The disparity in access to advanced dental materials due to their high costs can create a dilemma for practitioners striving to provide optimal care while managing expenses. Similarly, patients may face obstacles in accessing cutting-edge treatments that could significantly enhance their dental outcomes due to financial constraints. Addressing the cost barriers associated with these advanced materials is crucial for fostering equitable access to superior dental care. Efforts to make these materials more affordable through innovative pricing strategies, financial support programs, or advancements in manufacturing techniques could broaden their accessibility to a wider patient population. Additionally, education and awareness campaigns highlighting the long-term benefits and cost-effectiveness of these materials could help practitioners and patients make informed decisions that prioritize quality outcomes alongside financial considerations.

## Preference for Traditional Material

The prevailing preference for traditional materials in dentistry poses a substantial hurdle to the widespread adoption of advanced alternatives such as dental lithium disilicate.

This inclination toward traditional materials is deeply entrenched in familiarity, established practices, and a history of success, potentially impeding market growth in various ways. Dentists and dental practitioners often boast extensive experience working with conventional materials like metal alloys and ceramics. They possess a profound understanding of the handling, fabrication techniques, and clinical behavior of these materials. This familiarity breeds confidence and reduces the learning curve associated with using traditional materials, leading them to remain the default choice for many practitioners. Furthermore, the entrenched use of traditional materials is entrenched within established workflows and protocols in dental practices. These workflows are finely tuned around the utilization of conventional materials. Transitioning to newer alternatives, such as dental lithium disilicate, might necessitate substantial modifications in these workflows. This could involve adjustments in equipment, processes, and procedural changes. Such transitions can be perceived as disruptive and time-consuming, potentially acting as deterrents for practitioners contemplating a switch. The European market for dental lithium disilicate encounters challenges in penetrating established practices deeply rooted in conventional materials. Despite the superior properties and benefits offered by advanced materials, the comfort, familiarity, and existing infrastructure tailored around traditional materials can hinder their widespread adoption. Overcoming this inertia and facilitating a smooth transition to advanced materials will require concerted efforts to address the concerns related to familiarity, workflow integration, and ease of adaptation for practitioners. Initiatives focused on education, training, and showcasing the distinct advantages of advanced materials in terms of performance and aesthetics can potentially encourage a shift towards wider acceptance and adoption within the European dental landscape.

## Key Market Trends

### Growing Focus on Minimally Invasive Dentistry

The focus on Minimally Invasive Dentistry (MID) is significantly influencing the dental lithium disilicate market, showcasing a positive impact on the field. This approach places paramount importance on preserving natural tooth structure while ensuring effective restorations, a principle that aligns seamlessly with the properties and applications of dental lithium disilicate. Dental lithium disilicate is well-suited for a range of minimally invasive procedures, including veneers and inlays/onlays, enabling dentists to perform treatments with minimal tooth preparation. This preserves healthy tooth structure, reducing the invasiveness of the procedure, facilitating faster patient recovery, and lowering the risk of post-operative complications. This preservation of natural teeth contributes to enhanced overall oral health and patient well-being. Moreover, the



utilization of dental lithium disilicate in MID procedures offers patients a minimally intrusive option for achieving aesthetic enhancements. This is particularly significant for those seeking cosmetic improvements without compromising substantial portions of their natural dentition. The material's customizable nature allows for precise shade matching and translucency adjustments, resulting in restorations that seamlessly blend with existing teeth. The rising trend of Minimally Invasive Dentistry has gained traction among patients who value less invasive interventions and reduced discomfort associated with traditional, more invasive procedures. Dental practices embracing MID techniques, coupled with the use of materials like dental lithium disilicate, are poised to witness increased patient satisfaction and loyalty. In the European dental lithium disilicate market, the alignment of this advanced material with the principles of Minimally Invasive Dentistry signifies a paradigm shift towards techniques that prioritize preserving natural tooth structure. The amalgamation of MID principles with materials like dental lithium disilicate not only enhances treatment outcomes but also elevates patient experiences, catering to a growing demand for minimally invasive yet effective dental solutions. This trend is likely to bolster the adoption of dental lithium disilicate within Europe, driven by its compatibility with MID techniques and the increasing preference for less invasive dental procedures among patients.

## Segmental Insights

### Type Insights

In 2022, the Europe Dental Lithium Disilicate Market witnessed the dominance of the Crown segment and is expected to sustain growth in the upcoming years. Several factors contribute to the continued expansion of dental crowns made from lithium disilicate in the foreseeable future. Foremost, these crowns have emerged as a preferred choice in restorative dentistry due to their exceptional combination of strength, aesthetics, and durability. Offering robust protection for weakened or compromised teeth, they stand as a reliable option for patients requiring significant dental repair. Moreover, the aesthetic properties of dental lithium disilicate make it particularly suitable for crown applications. Its ability to replicate the natural appearance of teeth, including translucency and precise shade matching, ensures that crowns made from this material seamlessly blend with a patient's existing dentition. This aesthetic advantage is crucial in achieving a natural and harmonious smile, a priority for many patients seeking dental restorations.

### Application Insights

In 2022, the Europe Dental Lithium Disilicate market was dominated by the Hospital segment and is predicted to continue expanding over the coming years. Hospitals function as comprehensive healthcare centres that encompass specialized departments, including dentistry. Within these hospital-based dental departments, a wide spectrum of cases is managed, encompassing intricate restorative and prosthetic treatments that may necessitate the utilization of advanced materials such as dental lithium disilicate. The controlled setting and availability of a diverse array of specialized equipment render hospitals ideally equipped to integrate state-of-the-art dental materials.

### Regional Insights

In 2022, Germany emerged as the dominant force in the Europe Dental Lithium Disilicate Market, owing to various factors that collectively establish the region's leadership in this sector. Germany is renowned for its advancements in dental technology and innovation. The country boasts a robust research and development landscape, fostering the creation of cutting-edge dental materials and techniques. This technological prowess enables German manufacturers to produce high-quality dental lithium disilicate products, maintaining a competitive edge in the market. Furthermore, Germany has a well-established and sophisticated healthcare infrastructure. The presence of top-tier hospitals, dental clinics, and research institutions equipped with state-of-the-art facilities and specialized departments dedicated to dentistry enhances the accessibility and utilization of advanced dental materials like dental lithium disilicate.

### Key Market Players

Dentsply Sirona Europe GmbH

3M ESPE

Talladium UK Ltd.

Cendres+M?taux SA

VITA Zahnfabrik H. Rauter GmbH & Co. KG

Amann Girrnbach GmbH

Ivoclar Vivadent GmbH

## Report Scope:

In this report, the Europe Dental Lithium Disilicate Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Europe Dental Lithium Disilicate Market, By Type:

Crown

Veneering

Bridge

### Europe Dental Lithium Disilicate Market, By End User:

Hospitals

Dental Clinics

Other

### Europe Dental Lithium Disilicate Market, By Region:

Germany

France

Netherlands

Belgium

Austria

Switzerland

Luxembourg



United Kingdom

Spain

Italy

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Europe Dental Lithium Disilicate Market.

## Available Customizations:

Europe Dental Lithium Disilicate Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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