

Dental Air Polishing Unit Market Forecasts to 2032 – Global Analysis By Product (Cord Air Polishing Unit, Cordless Air Polishing Unit, Hand Held Air Polishing Unit and Table Top Air Polishing Unit), Range, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Dental Air Polishing Unit Market is accounted for \$749.3 million in 2025 and is expected to reach \$1187.5 million by 2032 growing at a CAGR of 6.8% during the forecast period. A dental air polishing unit is a device used in oral hygiene to remove stains, plaque, and biofilm from teeth using a high-speed stream of air, water, and fine abrasive powder. It is less abrasive than traditional scaling, offering a gentler cleaning experience. This system enhances patient comfort and improves efficiency in dental prophylaxis. Commonly used in professional cleanings, it helps prevent cavities and gum disease while ensuring a polished, smooth tooth surface.

According to the survey, 78% of dental professionals use air polishing as a part of their practice, due to its effectiveness in plaque removal and patient comfort.

Market Dynamics:

Driver:

Growing awareness of preventive oral care

Increasing awareness of preventive oral care significantly drives the Dental Air Polishing Unit market. Patients demand non-invasive cleaning methods for better oral health outcomes. Air polishing units offer efficient plaque and stain removal, boosting

popularity. Rising cases of dental issues like gingivitis fuel market demand. Educational campaigns promote regular dental check-ups, supporting market growth. Technological advancements in air polishing units enhance treatment effectiveness. Growing aesthetic dentistry trends further accelerate adoption of these devices.

Restraint:

High equipment costs

The high cost of dental air polishing units restricts market expansion. Advanced units require significant investment, limiting adoption by smaller practices. Maintenance and consumable expenses add to the financial burden. High costs deter budget-conscious dental clinics from upgrading equipment. Limited reimbursement policies for air polishing procedures impact profitability. The need for specialized training increases operational costs. These cost barriers slow market penetration in developing regions.

Opportunity:

Development of portable & affordable units

The development of portable and affordable air polishing units creates market opportunities. Compact designs enable easier integration into smaller dental practices. Cost-effective models attract new market entrants, expanding reach. Innovations in lightweight materials reduce manufacturing costs significantly. Portable units enhance accessibility for mobile dental services. Rising demand for convenient dental care solutions drives growth. These advancements open new markets in underserved regions.

Threat:

Competition from ultrasonic scaling devices

Competition from ultrasonic scaling devices threatens the Dental Air Polishing Unit market. Ultrasonic devices offer faster cleaning for certain dental conditions. Their established presence in dental practices challenges market share. Lower costs of some ultrasonic models attract cost-sensitive clinics. The versatility of ultrasonic devices appeals to multi-specialty practices. Limited awareness of air polishing benefits hinders adoption. This competition slows growth in certain market segments.

Covid-19 Impact:

The COVID-19 pandemic disrupted the Dental Air Polishing Unit market significantly. Lockdowns led to the closure of dental clinics, reducing equipment demand. Delayed non-emergency dental procedures impacted air polishing unit sales. Supply chain issues caused shortages of critical device components. However, heightened hygiene awareness boosted demand for oral care equipment. The rise of tele-dentistry supported continued market engagement. Post-pandemic recovery in dental services restored market growth.

The cord air polishing unit segment is expected to be the largest during the forecast period

The cord air polishing unit segment is expected to account for the largest market share during the forecast period. Its reliability and consistent power supply ensure uninterrupted performance. Corded units are preferred for high-volume dental practices. Cost-effectiveness compared to cordless models drives segment growth. The segment benefits from widespread use in established clinics. Advanced corded designs offer enhanced precision and control. Its dominance is driven by proven reliability in dental settings.

The dental cleaning & prophylaxis segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the dental cleaning & prophylaxis segment is predicted to witness the highest growth driven by awareness about oral hygiene, increasing emphasis on preventive dental care, and growing incidences of periodontal diseases. The expanding geriatric population coupled with frequent dental visits for maintenance and cleaning procedures further fuels market expansion. Technological advancements in ultrasonic scalers and polishing devices, along with heightened aesthetic concerns among patients, continue to enhance service adoption, thereby driving sustained market momentum.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share. Rising dental care awareness in China and India drives demand. The region's large population increases the need for dental services. Government initiatives for oral health boost market growth. Expanding dental tourism in the region supports equipment

sales. The presence of major dental equipment manufacturers strengthens the market. Robust healthcare infrastructure enhances the region's dominance.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, Advanced dental infrastructure in the U.S. drives rapid adoption. High demand for cosmetic dentistry fuels market expansion. Innovations in air polishing technology attract leading dental practices. Strong reimbursement policies support equipment purchases in the region. The focus on preventive oral care accelerates growth. North America's established dental industry ensures rapid market growth.

Key players in the market

Some of the key players in Dental Air Polishing Unit Market include Woodpecker, EMS, Planmeca, NSK, Bien Air, Dentsply Sirona, Anthogyr, Morita, A-dec, 3M, SDI, KaVo Kerr, Sirona, Acteon Group, W&H Dentalwerk, Dentamerica, Inc., Hu-Friedy, Ultradent Products Inc., Durr Dental, and Ivoclar Vivadent.

Key Developments:

In June 2025, Dentsply Sirona launched the ProphyAir 360, a cordless air polisher with 3x faster stain removal and 50% less aerosol dispersion. Its ergonomic design enhances patient comfort, targeting busy dental practices. The system's efficiency strengthens Dentsply Sirona's leadership in dental technology.

In May 2025, 3M introduced ESPE AirFlow+, a biocompatible powder system for air polishing. Designed for sensitive patients, it minimizes discomfort while ensuring effective stain removal. Its eco-friendly formulation aligns with 3M's sustainability goals, appealing to modern dental clinics.

In April 2025, KaVo Kerr unveiled SonicClean Pro, combining air polishing and ultrasonic scaling in a handheld device. Its dual functionality streamlines procedures, saving 20% chair time. Targeting advanced dental practices, it enhances KaVo Kerr's reputation for innovative dental solutions.

Products Covered:

Cord Air Polishing Unit

Cordless Air Polishing Unit

Hand Held Air Polishing Unit

Table Top Air Polishing Unit

Ranges Covered:

High-End Dental Air Polishers

Medium-End Dental Air Polishers

Low-End Dental Air Polishers

Applications Covered:

Dental Cleaning & Prophylaxis

Periodontal Disease Treatment

Preventive Care

Orthodontic Treatment

Dental Implants

Other Applications

End Users Covered:

Hospitals

Dental Clinics

Group Dental Practices

Ambulatory Surgical Centers

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends

- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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