Air abrasion is a minimally invasive nonmechanical, ultraconservative technique of tooth preparation that uses kinetic energy to remove carious tooth structure. A powerful narrow stream of moving aluminium-oxide particles hit the tooth surface and they abrade it without heat, vibration or noise. Air abrasion dentistry has evolved over a period of time from a new concept of an alternative means of cavity preparation to an essential means of providing a truly conservative preparation for preservation of a maximum sound tooth structure.

Air abrasion minimises impact on oral tissue by not coming into direct contact with the tooth or gum, and by removing infected, damaged or unwanted tissue quickly, efficiently and with minimal impact. Owning a dental abrasion unit that can cope with a wide range of treatments and procedures, including endodontics, orthodontics, implantology, periodontology, paediatric, hygiene, whitening, veneers and restorative, is essential in modern practices. The advantages of the method: absence of pain, vibration, noise, pressure, and heat that are generated by conventional methods (burs), leading to high acceptance by patients.

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