



Strong white fillings

Worldwide studies repeatedly prove that CAD/CAM porcelain inlays are the longest lasting dental filling material available today. Because the ceramic block is manufactured under industrial conditions, imperfections are minimised, leading to very strong porcelain inlays that last longer than anything else dentistry can provide. With CEREC we can now offer tooth restorations that look, feel and function just like natural teeth.



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CEREC SAME DAY CROWNS



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One Visit Crown & Restorations with CAD/CAM Dentistry

CEREC is an advanced computerised technology system that creates highly detailed tooth-coloured fillings and restorations in one single appointment.

CAD means computer aided design; CAM means computer aided manufacture.

Before CEREC was introduced, if a patient needed a filling in one visit it meant either amalgam or resin material was used. Amalgam is unsightly and black in colour, causes teeth to crack and break but lasts a long time. Resin is tooth coloured but is weak, so it breaks down, often allowing bacteria to colonise underneath and trigger new decay. Then another, bigger filling is needed.

Now we have a single visit filling material which is strong, looks good and much more resistant to wear over time. Our chosen CAD/CAM system is CEREC, the best available.



CEREC CAD/CAM restorations



The CEREC technology is a computer-controlled milling restoration system that allows for a more time-efficient option to restore smiles, without compromising on quality or aesthetics. CEREC restorations include porcelain inlays (durable white fillings), porcelain crowns for both teeth and dental implants, cosmetic porcelain veneers and high strength ceramic bridges.

The CEREC procedure

After thorough examination and treatment planning, the tooth is prepared for restoration using similar traditional treatment methods. CEREC then uses a state-of-the-art digital 3D camera to create a 3D model on the computer, using blue light waves which are sent down to the preparation site and back to the camera to measure the heights of the tooth being worked on, adjacent teeth, and surrounding tissue. This digital image replaces the physical impression required in traditional procedures.

The final restoration is then designed and fabricated using a 3D virtual model of the tooth. The digital information from this design process is sent to a milling unit which carves the restoration from a solid ceramic block to exact dimensions within a few minutes. Your new restoration is then fitted, polished and bonded to create a definitive long term solution. Your tooth regains its natural form, function and beauty.

Better restorative outcomes with CEREC

The CEREC technology also uses 3D x-ray data to provide cutting-edge new treatment for the diagnosis and planning of dental implant surgery. It allows us to provide the most efficient and tailored surgery plan for you, ensuring improved treatment quality and significant time and money savings for you. It also enables us to place your implants with great precision, removing the possibility of errors and eliminating the need for scalpels or stitches. Instead, we can utilise keyhole surgery, with its consequent easy and rapid healing.

Overall, your implant treatment is streamlined as in most cases it reduces the number of appointments needed to just two: the first to place your implant, and the second for your new CEREC-produced tooth replacement. With the CEREC system, we custom-make crowns that give an exact fit over the implants.