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**NYC Dentist Takes A Bite Out Of Sore/Broken Teeth,  
Veneers And Dental Implants With The Revolutionary  
New *Tekscan* Technology**

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**New York, NY October 21, 2002** - New York City cosmetic dentist, Dr. Clifford Williams has introduced a revolutionary new technology into his practice helping him to create new teeth or fix teeth that might be on the verge of breaking. According to Dr. Williams, broken or sore teeth usually occur because the occlusion (bite) of the mouth is off. When chewing, if a tooth makes contact with another tooth at the wrong point, the tooth that is being hit may often feel sore or eventually break off altogether. This occurs with both natural teeth and veneers or implants. And when patients are investing time and money into reconstructive and cosmetic dentistry, the Tekscan is an extra guarantee that the new teeth will last.

With the new *Tekscan Occlusal Imaging and Analysis System*, dentists can measure a patient's bite to see how much force they are applying to their teeth. "Ninety percent of all people do not bite evenly," states Dr. Williams, "and this is the number one reason for tooth breakage." Long progression of a poor bite can also lead to other problems including TMJ, pain or jaw dysfunction. In addition, many reconstructive dental cases fail, because the dentist does not analyze the patient's bite before shaping the veneers or implants. According to Dr. Williams, "The bite is the least understood component to dentistry. Sure you want your teeth to look good aesthetically, but a correct bite will insure that those teeth last."

**How it works**

**Tekscan** technology encompasses four distinct areas: sensor technology, data acquisition hardware, processing and analysis software and materials technology. At the heart of the Tekscan System is an extremely thin and flexible force sensor that is attached to a Windows based PC or laptop. The standard sensor consists of two thin, flexible polyester sheets that have electrically conductive electrodes deposited in varying patterns. The dentist places the sensor into the patient's mouth and has him/her bite down several times with varying degrees of force onto the sheets. The computer then analyzes the data collected from the electrodes in the sensor and the results are reported to the dentist in the form of grids. The information gives the dentist a sense of high/low areas of pressure in a bite, and which side of the mouth contacts the teeth first. These things can be influential in allowing the dentist to create a correct bite.

Dr. Williams has had numerous patients in his dental chair claiming to have lost a tooth after biting into something as simple as a piece of bread. Yet, "its not the bread that's breaking the teeth," says Williams, "it's months and years biting the incorrect way, and eventually it's easy for a piece of bread to take out a tooth."

Something as simple as the **Tekscan** takes just a few minutes, and can save huge amounts of time and money (and of course the pain) of unnecessary dental work.

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