

accurate
reliable
ultra-thin
portable
user-friendly
reduced treatment time
improved outcomes
higher quality dentistry

computerized
occlusal analysis



T-Scan® II
The Occlusal
Analysis Solution



Tekscan cut its teeth in the world of dentistry.

In 1987, Tekscan developed *T-Scan*[®], the first ever grid-based sensor technology specifically designed for occlusal analysis. Tekscan created this powerful diagnostic tool in response to the needs of dentists seeking an accurate way to dynamically measure occlusion. Today, after numerous enhancements, the *T-Scan II* is the only solution available on the market to offer instantaneous occlusal data, including timing and force. By using this type of valuable information, dentists around the world are providing better quality treatment.

Take the guesswork out of occlusion

Applications:

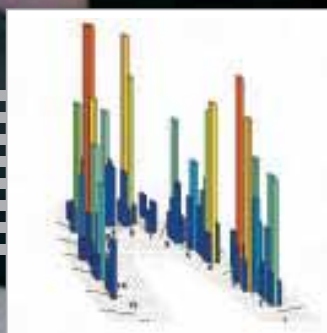
- Fixed & Removable Prosthetics
- Implant Prosthetics
- TMD Appliances
- Occlusal Equilibration
- Disclusion Time Reduction
- Abfraction Management
- Periodontal Management
- Differential Diagnosis
- Orthodontics
- Locating Painful Teeth
- Dental Case Finishing
- And more!



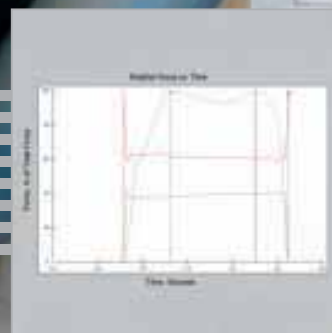
PRE-TREATMENT
PAPERMARKS



2-D PRE-TREATMENT



3-D PRE-TREATMENT



FORCE VS TIME GRAPH

Unbalanced Occlusion

Closing the Gap on Occlusion

For years, dental occlusion had been largely a matter of guesswork for dentists. Articulation papermarks, waxes, pressure indicator paste, etc. were the only tools available to assess and balance the forces of the bite. These methods do not detect simultaneous contact, nor do they quantify time and force. This gap led Tekscan to develop technology, which provides data that allows dentists to better evaluate and assess occlusion.

With articulation marks, there is no scientific correlation between the depth of the color of the mark, its surface area, amount of force, or the contact timing sequence that results as that paper mark is made.

Note in the clinical examples that the quality of the paper marks offers no hint as to the order of the contacts or the force contained within them. The *T-Scan II* Occlusal Analysis system quickly and precisely determines the amount of force within a given paper mark. The software graphically displays both forceful and time premature contacts to the user for predictable occlusal control during adjustment procedure.

T-Scan Brings Science to the Art of Occlusion

T-Scan II raises the bar for occlusal analysis by employing patented grid-based sensor technology. The ultra-thin, reusable sensor, shaped to fit the dental arch, inserts into the sensor handle, which connects into the USB port of your PC. The software's vivid graphics (2-D, 3-D, force vs. time graph) display tooth contact data instantaneously and accurately, highlighting each tooth and the force level exerted on that tooth during occlusion. With this data, visualizing and achieving the balance of the perfect bite is easy to accomplish.

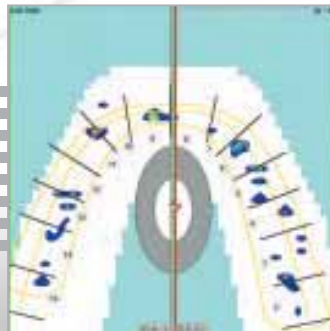
The ultra-light design of the *T-Scan II* makes it easy to move from one operator to another. Its sensors are durable, accurate, and can be reused multiple times for the same patient. The easy-to-use, intuitive software comes equipped with adjustable settings, which help yield precise measurements. Moreover, the database integration capabilities of the *T-Scan II* enhance clinical outcomes and simplify patient file management.

Join the ranks of progressive dentists all over the world who recognize the benefits:

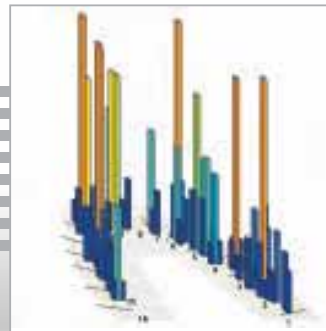
- Improved diagnoses
- Increased quality of care
- Decreased treatment time
- Increased comfort of dental prosthetics
- Reduced risk of implant failure, traumatized teeth, unstable dentures, ineffective splints, and porcelain fractures
- Legal documentation of outcome
- Enhanced patient education
- Build your practice
- Increased referral business from other physicians



POST-TREATMENT
PAPERMARKS



2-D POST-TREATMENT



3-D POST-TREATMENT



FORCE VS TIME GRAPH

Balanced Occlusion

Simply the Best Solution for Your Practice.

Evaluating occlusal forces is as simple as having a patient bite down on the ultra-thin sensor. The sensor sends real-time occlusal contact and force information to Windows™ based software, which measures intraoral force in time increments as low as .01 seconds. This information is displayed in two and three dimensions as a continuous force “movie” of the entire occlusal contact event recorded.

Because the *T-Scan II* can measure force over time, it is an indispensable tool for evaluating the sequential relationships of a mandibular excursion. You can view a patient sliding from MIP or CR position into a lateral excursion on your computer screen. This is instrumental in locating occlusal interferences, determining the relative force on each interference, and evaluating the potential for trauma caused by the occlusal interferences.

After recording a dental occlusion movie, you can store the data in your computer and retrieve it as needed. Occlusal data can be transferred into other documents for patient records or insurance reports. These same images can be used to raise your patient education to the next level. In fact, many dentists rave that their patients are fascinated and impressed when they see for themselves the improvements that were made to their bite using the *T-Scan II* in just a few visits.

Sensor History

Since its original release in 1987, Tekscan has continued to improve the sensor design to ensure the most accurate and reliable data. Today, Tekscan is pleased to offer the **4th generation** sensor.

- The sensor is so thin and flexible it does not interfere with the natural bite.
- Sensors are more durable than ever!
- The disposable sensor can be used for 15-25 recordings per patient.
- Sensors have unlimited shelf-life – you can use them when you need them.

Superior Support for a Superior Solution

We are as proud of our support and service capabilities as we are of our technology. As a customer, you can be confident that our experienced, qualified staff will work with you to ensure that you and your patients can begin realizing the full benefits of *T-Scan II* as quickly as possible.

As easy as the *T-Scan II* is to use, we offer a number of comprehensive and flexible ways to receive training.



T-Scan II USB System
(laptop not included)