



T-SCAN

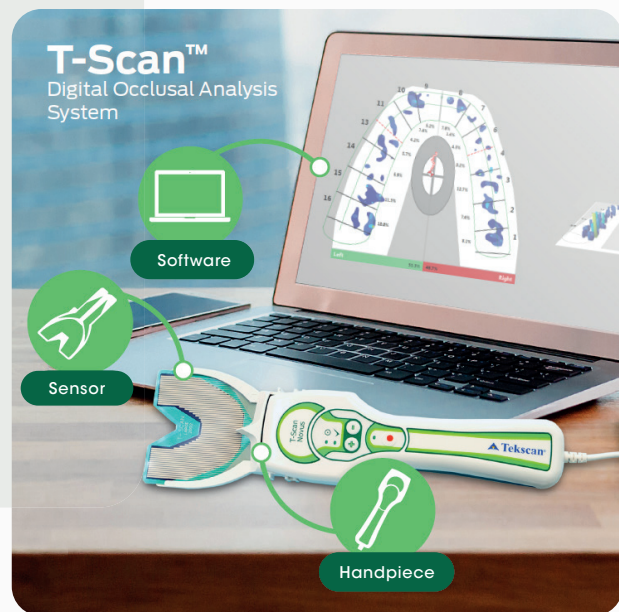
Digital
occlusal
analysis



BIOTECH DENTAL

WHAT IS T-SCAN ?

PATENTED TECHNOLOGY MADE OF 3 COMPONENTS:
 USB HANDPIECE, PATENTED SENSOR
 AND EXCLUSIVE SOFTWARE.



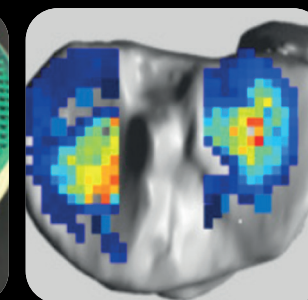
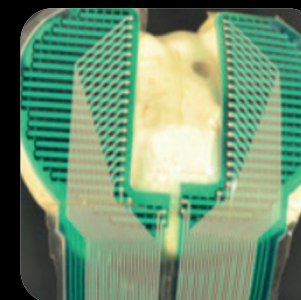
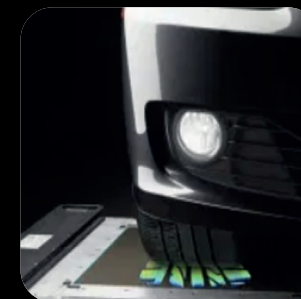
This digital occlusal analysis system reveals the level and timing of force on individuals to help determine the stability of the patient's bite.

Unlike articulating paper, which can only determine location, T-Scan can indicate force for measuring occlusal pressure in real time. qui informe uniquement sur la zone de contact, T-Scan est une technologie qui montre la force mesurée des surfaces occlusales, et ce, ce qui aide les cliniciens à identifier les problèmes de morsure capable de nuire aux prothèses dentaires ou d'aggraver la douleur, la sensibilité et d'autres problèmes parodontaux ou ATM.

Cela permet aux cliniciens d'identifier les contacts problématiques qui pourraient endommager les prothèses dentaires ou contribuer à la douleur, la sensibilité et les problèmes parodontaux ou ATM.

TEKSCAN COMPANY

- > American company located in Boston since 1983, by an MIT group of researchers
- > Expert in pressure mapping, force measurement, and tactile sensors
- > **TekScan technology:** sensor technology / data acquisition electronics / treatment and analysis software



HOW DOES T-SCAN FIT INTO YOUR PRACTICE?

- > Patients digitisation: Intraoral scanner and Cone beam can get teeth imaging but occlusion is geometrically calculated.
- > Reliable and accurate digital data on occlusion.
- > Be exact in your adjustments, improve your patients care and increase treatments acceptance thanks to digital data.

HOW T-SCAN WORKS ?



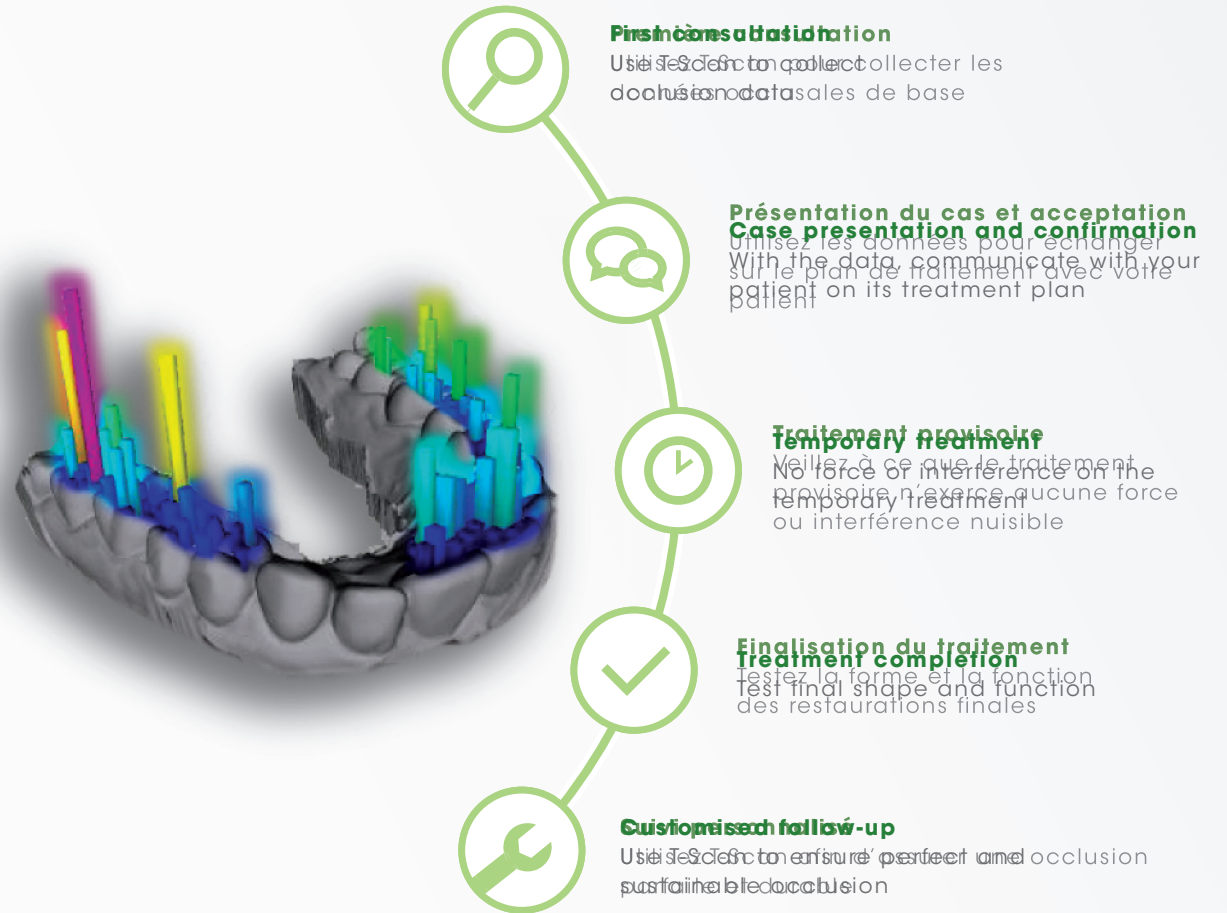
- > Patient bites the sensor
- > Record occlusion bites
- > Software measures and displays the occlusion technology and force of bites

CAPTURE OCCLUSION. RECORD. DISPLAY & EXPLAIN

Once the patient bites the sensor, you can see the force and where the occlusion is located in real time. As well as a video of the occlusion process. Données mesurant la force et l'emplacement de l'occlusion, ainsi qu'un enregistrement vidéo du processus d'occlusion.



DIGITAL TRAVAIL WORKFLOW



FEATURES AND BENEFITS



Improved Outcomes: Objective data enables more effective treatments and results.



Patient Education: Easy to understand, visual data increases patient acceptance.



Data Integration: Integrate with digital impressions and biometric data.



Digital Workflow: Speed up your workflow by going digital, and never leave your patient.



Differentiate Yourself: Broaden your treatment capabilities and grow your patient base.

T-SCAN AND INTRAORAL SCANNER

WHAT DOES YOUR INTRAORAL SCANNER NOT TELL YOU...

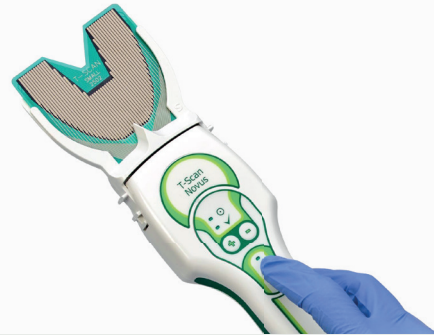
Even though an intraoral scanner is not required, with T-Scan you can import any open STL file. You can then overlay bites data on digital impression.

A helpful functionality for the practitioner and for the patient as he can see the occlusion impact on its teeth.



UNE ADAPTÉE SOLUTION POUR VOTRE PRATIQUE

Both T-Scan Novus de rétroanalyse the same
bi pièce mécanique des aim et les
mêmes accessoires, comme indiqué ici.



T-SCAN ESSENTIAL

solution

ESSENTIAL

T-Scan™ Novus™
CORE

T-Scan Novus Core gives life to the articulation paper's marks, by providing data on force and time. Its the most adapted solution for individual dental offices for a better care of their patients.

As your practice evolves, an upgrade to T-Scan Novus can be made at any time, ensuring your patients follow-up care.

- ✓ Provides basic functionalities for occlusal analysis, including crowns, bridges, ... setting.
- ✓ Essential tools to measure forces, as well as bites chronology for patient's occlusion.
- ✓ Economical, Essential version

T-SCAN PREMIUM

solution

COMPLETE

T-Scan™ Novus™

T-Scan Novus provides a complete range of occlusal analysis functions to treat all treatment plans.

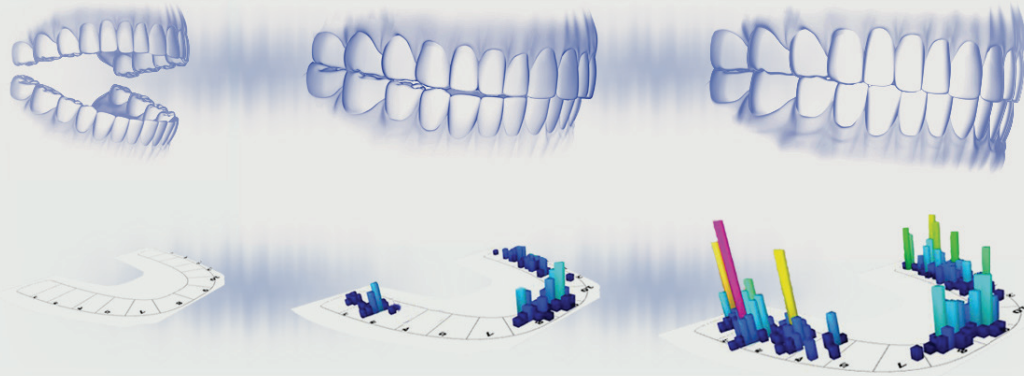
With multiple users possibility on one licence, T-Scan Novus is the most adapted solution for dental offices having several operating rooms or with many sites.

- ✓ Detailed analysis for implants and aesthetic dentistry
- ✓ Total data for treatment of TMD issues and complete restorations
- ✓ Multi-users network and digital office integration in the digital workflow
- ✓ Cross-disciplinary caring with data sharing and improved communication

APPLICATIONS

STATIC AND DYNAMIC ANALYSIS

- > **Visualise your patients occlusion** to detect premature contacts, heavy forces, and force distribution over time
- > **Identify strong forces** on specific teeth by noticing the force percentage, tooth by tooth
- > **Observe the variations** in force distribution, before and after maximal intercuspation using the dynamic force histograms
- > **Check the occlusion is bilaterally balanced** by observing left and right force percentage, until closure
- > **Easily analyse the occlusion stability** by observing forces path
- > **Visualise movement forces** within a colour graph, on one tooth or all teeth



IMPLANTOLOGIE

(single to complete reconstruction)

Design a standardised occlusal scheme with T-Scan to protect dentures and implants. To ensure sustainable treatment, practitioners use T-Scan data et installés. Les dentistes utilisent le logiciel objetif de l'implant, bridge, complete reconstruction, prosthesis, T-Scan provides several data (synchronisation, force, contact, occlusion) for a complete ou prothèse stabilisée sur implants, T-Scan fournit des données de synchronisation et de force sur l'occlusion qui permettent de prévenir :

- ✓ Early implant failure
- ✓ Un échec précoce de l'implant
- ✓ Ceramic and abutment fracture
- ✓ Une fracture de la céramique et du pilier
- ✓ Loss of alveolar bone
- ✓ Une perte d'os alvéolaire
- ✓ Screw loosening
- ✓ Un desserrement de la vis
- ✓ Destruction of soft tissue
- ✓ Un détachement des tissus mous



T-Scan is a very effective educational tool, your patients will clearly understand how crucial a treatment plan is and check their treatment outcomes.



T-Scan warns users when the implant holds more force than the natural teeth, helping the users when the implant supports more force than the surrounding natural teeth.

ORTHODONTICS

Successful orthodontic treatments are possible with a good occlusal management.

Patients must feel comfortable with their future smile, but also with a healthy and functional bite.



USING T-SCAN DURING AN ORTHODONTIC TREATMENT TO:

- ✓ Gather information on occlusion before treatment and follow bite changes over time
- ✓ Identify lateral interferences
- ✓ Recognise premature and high forces to quickly redistribute them
- ✓ Check good occlusion, both aesthetic and functional
- ✓ Prevent malocclusion
- ✓ Guarantee stable and lasting outcomes

SMILE FROM A TO Z

By working together, Smile Design and Digital Smile Design use digital technology to introduce protocols improving procedures with patient and treatment outcomes with the patients and the results of the treatment.

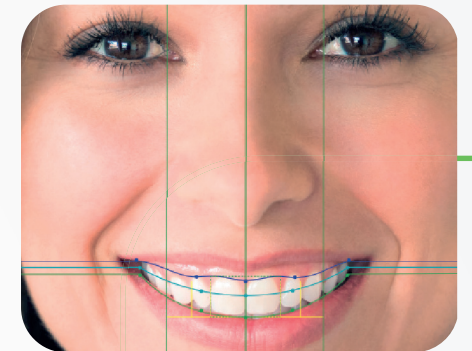
Raising dental care is their main purpose to provide their patients with a harmonious and perfect functional smile. niveau des soins dentaires afin d'offrir aux patients un sourire harmonieux et parfaitement fonctionnel.

With T-Scan, we can see the prosthetic design, quality and materials. But also, the performance and functioning performances and its functioning.

By providing detailed data on all occlusal contacts, T-Scan gives available information to the clinician in order to standardise occlusion in a more balanced way. And also, solve strong forces exposure to protect crowns, veneers and restorations. soude l'exposition à des forces extrêmes pour préserver la longévité des couronnes, des facettes et des restaurations.

You can use T-Scan throughout the treatment to ensure a balanced occlusion from start to finish. With Nem smile, in order to plan the smile in the planning of the smile with Nem smile.

T-Scan has shown an important decrease in complications simply due to effective adjustments of the occlusal overloads. d'ajustements plus efficaces de la surcharge occlusale.



AVD :: Treatment with aligners

Treatment with aligners is a very effective and comfortable way to treat orthodontic issues. It is a non-invasive and painless way to correct dental issues. It is a very effective and comfortable way to treat orthodontic issues. It is a non-invasive and painless way to correct dental issues.

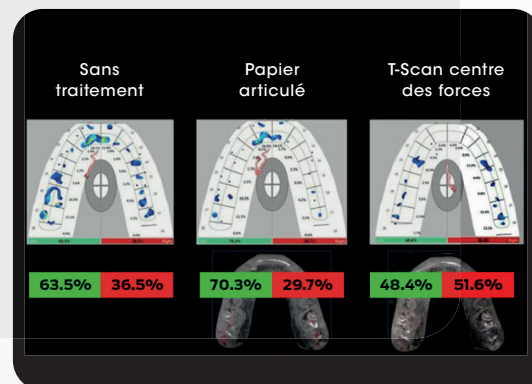
With the digital data analysis of the teeth, T-Scan provides you a complete picture of the clinical information affecting the dental care that you will have. This information will have a direct impact on your treatment plan.

T-SCAN HELPS YOU TO

- > Establish a defined distribution and follow the occlusion evolution over time
- > Decrease dental movement to ease muscle stress
- > Adjust aligners on the very first appointment
- > Link occlusion data with EMG (ElectroMyoGraphy) systems

Whatever your dental philosophy is, T-Scan helps you defining if the occlusal problems are behind your patients TMD issues.

The digital occlusal analysis confirms the well-design of your aligners and where they could be adjusted.



Ongoing issues could be caused by occlusal interferences, having a negative impact on the jaw's articulations and muscle role.

With T-Scan you can easily diagnose and treat patients with TMD issues by identifying their occlusal problems.

- > Condyle movement
- > Bruxism
- > Chattering / crack
- > Headache
- > Neck/jaw pain



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