

Benefits to Your Practice and Patients

Make diagnostic and treatment decisions in any major cases: aesthetic, restorative, orthodontics, TMD, and dentures, with expanded, objective data – *optimize the quality of patient care and build your practice.*

- Patient Education capabilities allow for superior patient education enabling better understanding and better treatment plan acceptance by your patients.
- Objective data and printouts for referring doctors, insurance justification, patient education and risk management.
- In addition to pre-programmed protocols (Scans) – user may set custom protocols.
- Unparalleled customer service and technical support.
- On-going support of user training programs and educational programs.



With its lightweight design, the K7 plugs into either a laptop or desktop PC.

The Myotronics Commitment

Since 1966, Myotronics has pioneered the science of computerized (electronic) measurement technology. Years of full-time research in dentistry, electronic and biomedical engineering, biophysics, and computer science, have led to the award of over 45 patents that have contributed to the development of the advanced technologies that Myotronics instrumentation makes available to the clinician.

As inventors of the science, we are committed to the support of our customers and the furthering of continued growth and development in the field of Neuromuscular Dentistry.

What Neuromuscular Clinicians have to say:

“I chose the Myotronics system to have a high tech bite registration capability and the evaluation protocols. Using the simultaneous EMG, computerized mandibular scanning and TENS modalities allows me to visualize where to take a highly precise bite registration and to document that position objectively for the record. The additional data generated by these instruments has proven of great value to me in reaching my diagnoses.

In my experience, knowing where to ‘physiologically’ position the mandible as it relates to the maxillary arch makes all the difference in the world. It is of great help to me in knowing where to begin treatment and where to finish the case. The Myotronics instrumentation brings precision and predictability to the clinical dentist. No other instrumentation I have found has this capability and quality.”

Clayton A. Chan, D.D.S., FICCMO
Director of Neuromuscular Studies
Las Vegas Institute for Advanced Dental Studies (LVI)
Las Vegas, NV

“The late Dr. Bernard Jankelson was a brilliant dentist, but learned soon after graduation that meticulous adherence to methods learned in school did not always lead to a successful case conclusion. Seeking answers to this dilemma, he developed the theories and instruments that made the science of Neuromuscular Dentistry possible. As his student I was most impressed that his method relied on basic, objective biologic fact, not on abstract mechanical theories.

In a quarter of a century I have treated literally thousands of patients utilizing the science of Neuromuscular Dentistry. From the first case until now, this treatment approach has been expanded upon, but not altered. In addition to the large body of scientific literature supporting these principles, this clinical record is testimony to its validity. Meanwhile, advances in technology have brought much more sophisticated instrumentation, not only expanding our knowledge of our patients, but making life easier for the clinician. I was honored to be appointed to teach a university course on neuromuscular occlusion. Whatever I have done with and for Neuromuscular Dentistry in the past 27 years, I have done with a full heart and a sincere belief that this is how dentistry should be practiced.”

Dr. Barry C. Cooper, Clinical Associate Professor
Department of Oral Biology & Pathology
School of Dental Medicine
State University of New York, Stony Brook



MYOTRONICS
Helping Build the Perfect Bite

K7 EVALUATION SYSTEM



The Comprehensive Instrument for Precise Occlusal Evaluation



Ultra-Low Frequency Electrical Muscle Stimulators

The J5 Myomonitor and BNS-40 are battery operated electrical muscle stimulators. Used either with the K7 Evaluation System, or alone, they are an essential element to the neuromuscular practice. These unique patented devices, with over forty years of clinical experience behind them, are ultra-low frequency and truly simultaneous bilateral stimulators.



J5 Myomonitor



BNS-40



Myotronics-Noromed, Inc.

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The K7 – Objective Data for Complete Occlusal Analysis

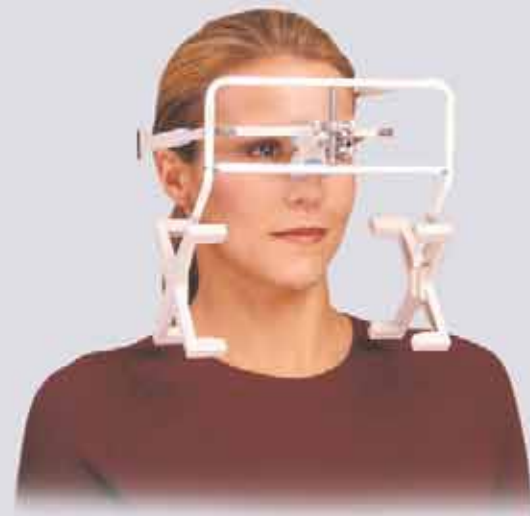
The established science of Neuromuscular Dentistry and Myotronics technologies can now assist you in improving diagnosis and treatment accuracy in your practice.

Science and clinical experience have shown that a stable occlusal foundation in which muscles, joints and teeth all work together plays a crucial role in the positive outcome of all dental procedures.

For optimal diagnosis and therapy, the clinician must be able to measure physiologic phenomena that indicate the state of occlusal function and its effect on both masticatory muscles and temporomandibular joints.

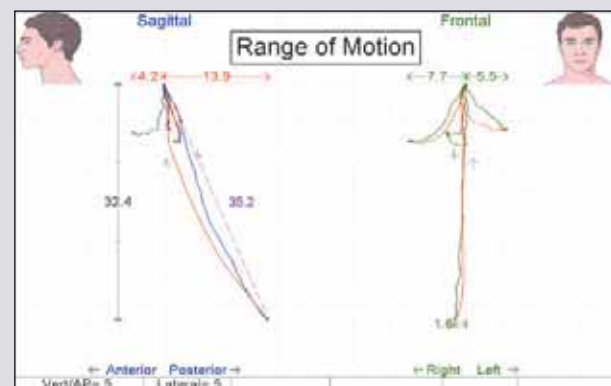
The K7 Evaluation System, with its patented technology, allows you to obtain necessary data to objectively measure occlusal function three dimensionally, in order to assist you in providing optimal diagnosis and treatment of all major dental cases – aesthetic, restorative, orthodontics, TMD, and dentures.

Myotronics has led the way in neuromuscular dental evaluation technologies for over 40 years. Our products are used in clinical practices and universities worldwide and are known for their accuracy, reliability and simplicity of operation.

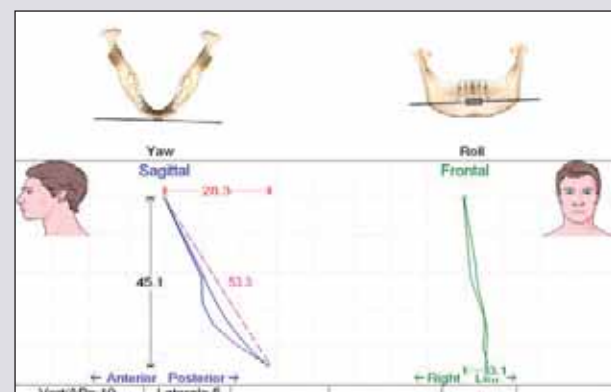


The K7 CMS Computerized Mandibular Scanning (Jaw Tracking)

The patented K7 CMS (jaw tracking) has eight sensors, in an extremely lightweight (four ounce) sensor array, that tracks the motion of a small magnet attached to the lower incisal gingiva. The configuration is non-invasive and, unlike clutches and other cumbersome apparatus, does not interfere with normal patient function. It tracks mandibular motion in three dimensions and also displays mandibular torque. The lightweight sensor array with padding is designed to be comfortable for the patient and has a wide opening which allows the doctor unobstructed access of the oral cavity for taking bite registrations or other clinical procedures. The system is virtually immune from the effects of slight head motion or nearby metallic or electronic interference. A patient education mode is included to simplify patient education and staff training.



Dynamic three-dimensional jaw tracking.

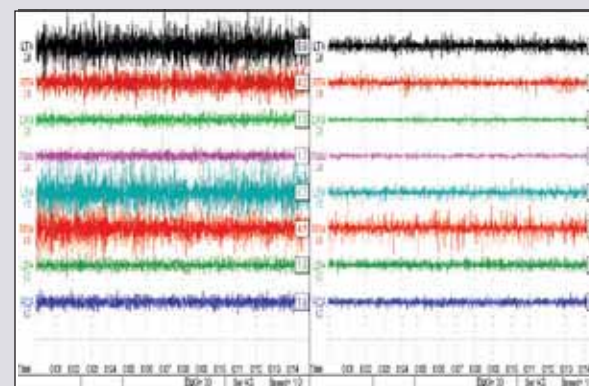


The torque (yaw and roll) of the mandible is recorded simultaneously with jaw tracking information.

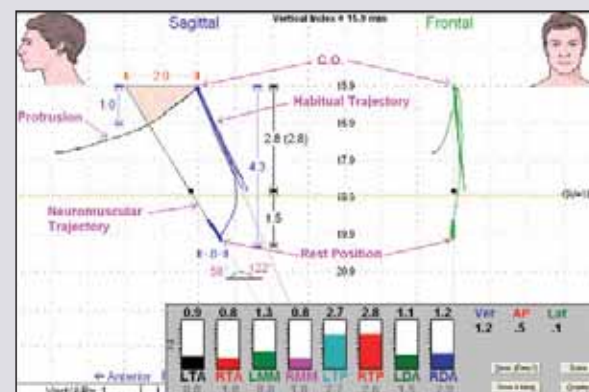


The K7 EMG Eight Channel Surface Electromyograph (EMG)

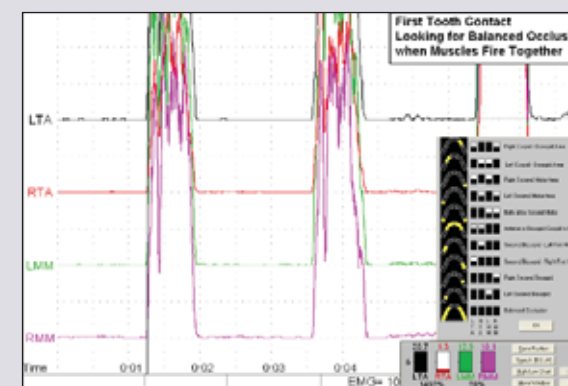
Utilizing high quality bipolar surface electrodes, EMG data can be taken and displayed from up to eight muscle sites simultaneously and in real time. The program permits taking data either at rest or in function. The K7 EMG signal processing circuitry provides unsurpassed protection against system noise or motion artifact. The patient education mode permits quick and easy education of the status of masticatory muscles.



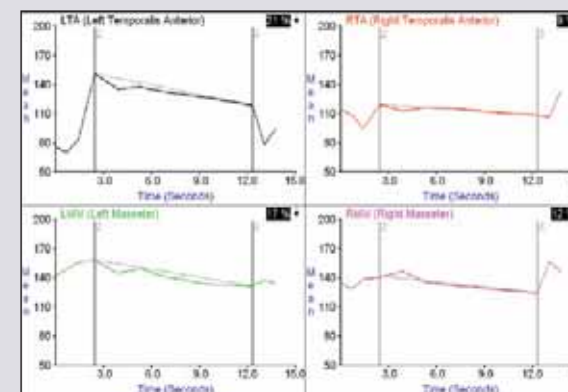
EMG data illustrates split-screen capability for side-by-side comparison of before and after TENS.



CMS and EMG tracing displays mandibular motion and function data for taking a bite.



Pattern of muscle recruitment is valuable for micro-evaluation of occlusal function.

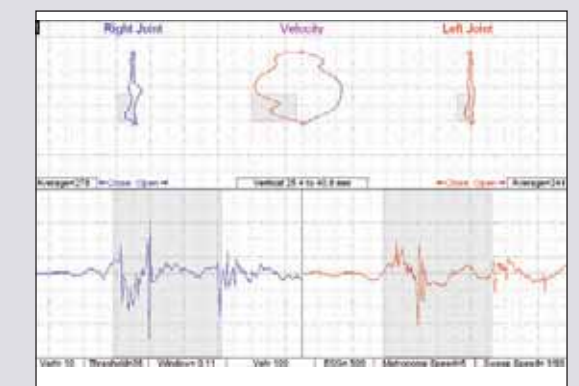


EMG muscle activity during sustained clench to assess muscle fatigue.

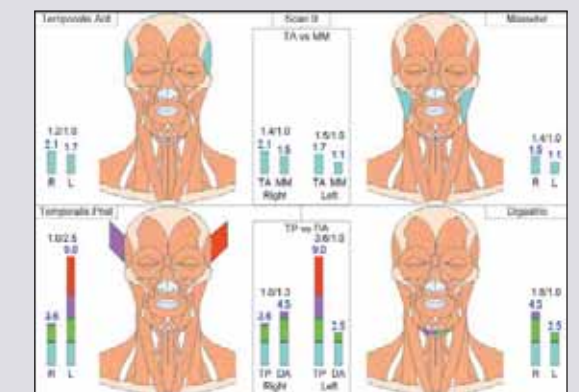


K7 ESG Electrosonograph (TMJ Vibration (Sound) Evaluation System)

A lightweight headset holds highly sensitive vibration transducers over each TM joint, which enables the simultaneous, bilateral capture of tissue vibration emanating from joint sounds. Vibration (sound) data is correlated to vertical dimension of opening and closing. This provides the clinician with valuable information to aid in assessing the status of articular disk and joint function.



Sonography recording of TMJ displays joint vibration (sound) related to vertical open-close position of occurrence.



CMS and EMG modes include graphic displays of data for patient education.