

# PRO ADJUSTER<sup>®</sup>

T E C H N O L O G Y

The **ProAdjuster**  
Combining Tradition  
with **Technology**

**COMFORTABLE AND  
CONSISTENT**

The ProAdjuster  
**Proprietary  
Software**

*A New Approach to  
**Chiropractic***









# The ProAdjuster

A BREAKTHROUGH IN CHIROPRACTIC HEALING

The ProAdjuster Helps to Fine Tune the Nervous System

Imagine 30 to 40 years ago, if we told you that dentistry would be painless, that doctors would watch television to perform surgeries, that brain surgery for tumors could be done with a laser, that fetuses could be operated on within the uterus, and that knife-less surgery could be performed, you would not have believed us. By the same token, would you believe us if we told you that chiropractic treatments and reorientation of the nervous system could be done comfortably, while you were sitting in an upright position without any turning or sudden movements? Would you believe that newborns as well as the elderly with osteoporosis can be treated safely and gently?

Advances in computers and engineering technologies have been able to uniquely blend with chiropractic in order to both analyze and treat the human body in such a way that has never been realized.

The potential for the human being to reduce pain and to achieve their peak nervous system function has never been greater. Humans are consistently asking their bodies to perform at higher levels. Now we have the techniques and the technology to match the demand placed on the spine and the nervous system. We now have the capability to fine tune our own energy and enhance every aspect of our lives.



Comfortable • Consistent • Computerized

## Complex Technology, Simple Solution. The ProAdjuster.

You can achieve improved health for your body now and in the future beginning with a simple anatomical concept. The nervous system (the brain and all the nerves) controls every function of your body. If this network is interfered with, pain can ensue, as does bodily malfunction, often resulting in sickness and diminished overall health. The “something” you can do to improve performance and your health is to maximize the health of your nervous system. There are several ways to do this. The number one way is allowing a Doctor of Chiropractic using the ProAdjuster equipment to analyze and treat your body.

## How does the ProAdjuster work?

To better understand, let's examine the idea of palpation. When a Chiropractor palpates your spine, they are checking for joint fluidity, motion and or rigidity. Improper motion affecting the nerve function is called a subluxation. In a similar fashion to palpation, the ProAdjuster can help determine whether the vertebra's motion is too rigid or too fluid. The spine should not be too rigid (hypo-mobile). However, instead of utilizing the doctor's judgment as to what areas are hyper-mobile or hypo-mobile, the ProAdjuster measures precise levels of motion. Therefore, the ProAdjuster can help isolate a problem area faster and more accurately than manual procedures.

## How can anything so gentle and comfortable change my spine?

The ProAdjuster utilizes a precise oscillating force with uninterrupted motion. It is able to increase the mobility of the spinal segments by reducing fixation or enabling motion in the abnormal areas. In other words, the ProAdjuster is “unsticking” the joint. Have you ever seen a woodpecker tapping in an oscillating fashion on a tree? It is hard to believe, but you can watch them bore right through the hardest wood! The ProAdjuster taps in much the same way but uses soft tips that are comfortable to the human body and result in a nice change to the health of a joint or tissue.







# Combining Tradition With Technology

**F**ollowing examination, (including with the ProAdjuster) the doctor will then determine the correct treatment to be applied. The way the ProAdjuster instrument measures whether the vertebra is too rigid or too fluid is by applying a light mechanical test force to the joints directly over the patient's spine. This is different from manual palpation because when applying hands on pressure, the body goes into a normal defense posture mechanism. It causes the muscles to contract and guard against an impact.

Have you ever "flinched" at something? You know exactly what is meant by this. The piezoelectric sensor in the ProAdjuster instrument responds and registers information faster than your body's ability to react. Therefore, a precise and accurate picture of the extent of rigidity or fluidity of each vertebra is reflected.

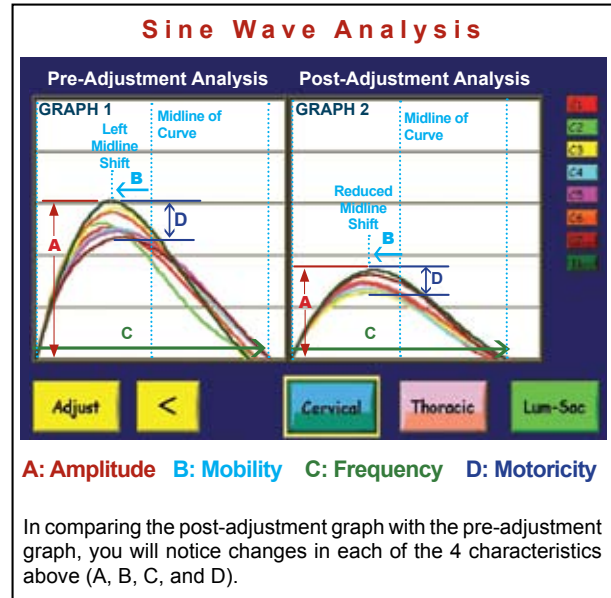
A light force is introduced into the vertebra to check motion, it is then reflected back to the piezoelectric sensor, which measures the reflective force, sending it to the computer for interpretation, all before the muscle can respond in its normal way. Isn't that incredible? This is the same sensing technology that NASA subcontractors have used in the space program in order to evaluate the integrity of the ceramic cooling tiles on the outside of the space shuttle. The aviation industry, as well as civil engineers have used this technology in order to test metal fatigue in aircraft and bridge spans.

Chiropractors are now able to use this highly sophisticated technology applied to the human body to determine proper function. We can have the same level of care given to our bodies as multi-billion dollar spacecraft. Doesn't that give you a sense of being special and give you a higher level of confidence?

**T**he ProAdjuster utilizes the piezoelectric sensor in the head to percuss the individual joints in the spine, giving the doctor vital information about the motion dynamics and resonant frequency of oscillation.

This allows the chiropractor to manage these spinal and extremity-related conditions that may be musculo-skeletal in nature by increasing the range of motion, eliminating fixation and improving functional capacity of patients through specific manipulative techniques.

The ProAdjuster enables the DC to analyze using a sophisticated instrument, treat the dysfunctional segment of the spine and then reanalyze. This provides pre and post data which is very beneficial to oversee the patient's course of care.





# Comfortable and **Consistent.**



# 1

Soft tissue conditions such as trigger points respond well to the percussion of the ProAdjuster unit and the forces are delivered in a sub-harmonic, metered, precise nature to create oscillation and enhance range of motion.

# 2

Neurologically, the ProAdjuster takes advantage of the interplay of the type 1,2 and 3 mechanoreceptors with the type 4 nociceptors creating an inhibition of pain, increasing neuroactivity and restoration of normal nervous system tone.

# 3

The ProAdjuster is very comfortable for patients of all ages due to the fact that there is no application of manual rotation or thrusting forces.

# 4

The patient is seated in a comfortable chair in an upright position without the need to turn the head or neck. Thus, this greatly reduces any issues associated with osteoporosis, vertebral artery conditions or other concerns that aggressive manual techniques might not properly address.

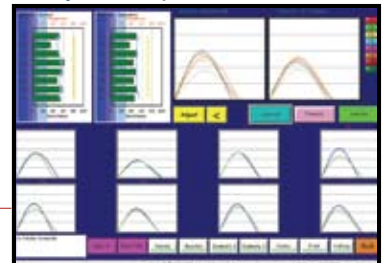
## The ProAdjuster **Proprietary Software**

**T**his system helps ensure a functional outcome of a prescribed, written treatment plan. The ProAdjuster also lets the doctor know when not to perform manipulative procedures on a particular day. The routine perception of popping and cracking is eliminated because there are objective, specified reasoning and data points to analyze. There is also an end to the treatment plan. It is important for patients to feel confident that there is an end to this therapy and that we can chart the progress with sign wave analysis.

Sign wave analysis measures joint function through four aspects. The amplitude indicates resistance of fixation of the joint, upon six pounds of percussion. The apex comments on the relative mobility and ligament hysteresis associated with that joint. The length of the wave indicates the resonant frequency of the joint measured in cycles per second, or hertz. The smoothness of the wave would represent the smooth articular gliding of the tested spinal articulation.

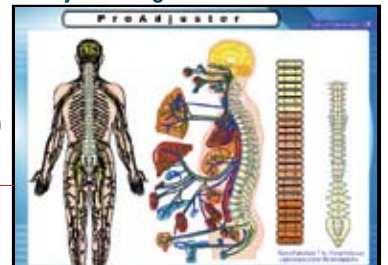
- Easy to read graphics
- Scientific interpretation
- Pre/post scans for documentation and education

**ProAdjuster Analysis Screen**



- Integrated with the ProAdjuster software
- Effective visuals
- Smooth communication about chiropractic care

**ProAdjuster Integrated Patient Education**



- Proven techniques
- Easy to learn
- Standardized care

**ProAdjuster Protocol Software**

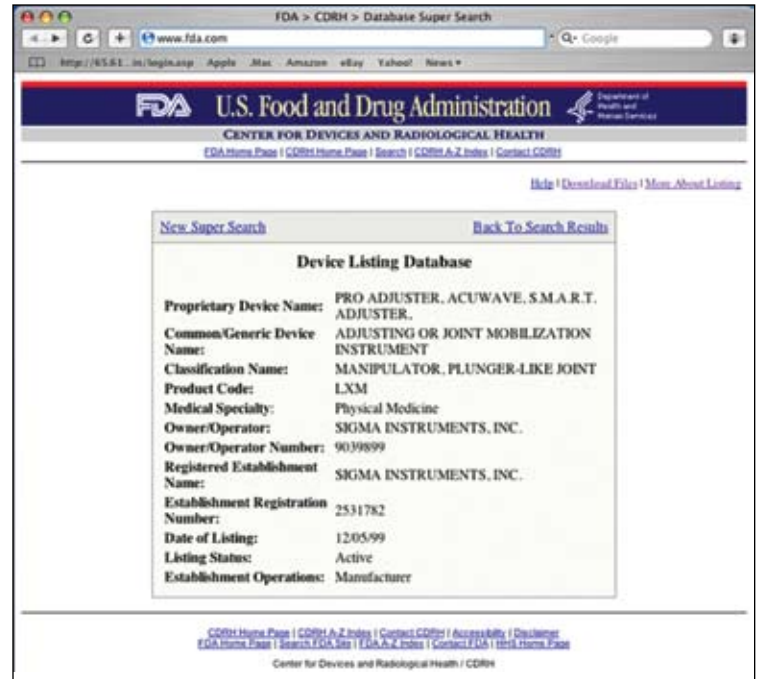




# Fast, Effective, Gentle, **And FDA Cleared.**



The ProAdjuster is the latest technology developed for application of chiropractic adjustments and manipulative techniques employed by chiropractors, and it is FDA cleared.



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