

EFFECTIVELY TREATING BACK AND NECK PAIN

Back and neck pain statistics are as painful as the conditions they represent.

www.spinemed.com

The Most Advanced | Decompression* System Available

*Decompression, that is unloading due to distraction and positioning

Effectively Treating Back and Neck Pain

Back and neck pain statistics
are as painful
as the conditions they represent.

Back pain affects
8 out of 10 people
at some point during
their lives.¹

As the aging population grows, this number is likely to climb even higher. Low back pain is especially prevalent. It's the second most common reason to visit a doctor, the fifth most common reason for admission to a hospital, and the third most common indication for surgery.²

While low back and neck pain can typically be managed through traditional treatment options such as physical therapy, chiropractic care, or pain management, discogenic pain can be more intractable. For many patients, addressing the underlying disc pathology is the only answer. It is widely accepted that the ideal environment to improve disc pathology is to decompress, or reduce the intradiscal pressures of the damaged disc.

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"As a spine surgeon for over 30 years, I have been using the SpineMED system in my private clinic for more than ten years, with results exceeding 80% in cases of cervical and lumbar disc herniations."

Dr Fernando Schmidt Neurosurgeon

The SpineMED® Difference

SpineMED® is designed to target damaged spinal segments and decompress intervertebral discs in order to promote the body's natural healing abilities and employs patented technology not found on any other device.

Medical professionals worldwide use SpineMED® to add an

entirely new dimension to
their practice.

SpineMED®, the world's leading and most efficient non-surgical decompression system, is designed to target and decompress injured intervertebral discs through distraction and positioning of the lumbar or cervical spine. It provides a non-surgical, drug-free procedure for patients suffering from bulging and herniated discs, sciatica, Posterior Facet Syndrome, and disc degeneration.



1 - Medline Plus: Back Pain. <http://www.nlm.nih.gov/medlineplus/backpain.html>.

2 - Bigos S, et al: "Acute Low Back Problems in Adults, Clinical Practice Guideline No. 14". Rockville, MD: U.S. Public Health Service, U.S. Dept. of Health and Human Services, AHCPR Pub. No. 95-0642, Dec. 1994.

HISTORY

The SpineMED® System is the world leader in the modern science of non-surgical spinal decompression.

Prior to becoming involved in the design and manufacturing of the SpineMED® System, the founders of SpineMED® owned and partnered with a number of decompression clinics. They also distributed decompression tables from other manufacturers to physicians around the world.

Based on their years of clinical experience, and feedback gained from healthcare professionals in the field, the SpineMED® System was designed to overcome the limitations, inefficiencies and untoward side-effects found with previous devices. Cumbersome nylon harnesses, outdated tower design, and antiquated traction components have

been eliminated and replaced with the patented pelvic restraint system, exclusive pelvic tilt mechanism and advanced computer controls to create the SpineMED®.

Quality and innovation are the cornerstones of SpineMED®'s philosophy. We are an ISO 13485 and CE certified manufacturer of medical devices, and hold numerous patents on SpineMED®'s unique design and key components. The result is a decompression system built to worldwide hospital standards whose quality and efficiency is unmatched in the industry.

We are confident that you will find SpineMED® to be the most technologically advanced and clinically effective device available for the conservative treatment of lumbar and cervical disc pathologies.

It's easy to integrate **SpineMED®** into your practice

Unlike harness style devices, the SpineMED® system offers a truly unattended modality that improves patient flow and typically does not require additional staff. Additionally, we provide comprehensive training and support to ensure your ongoing success, allowing you to focus on your patients.



The SpineMED® Express System At A Glance

The SpineMED® System provides the patient with the most clinically efficient decompression session available.

- ✓ **Patented Pelvic Restraints**
secures patient's pelvis to moveable section of the table and allows direct application of distraction force to the spine
- ✓ **Patented Pelvic Tilt**
places the patient's pelvis into flexion to target specific lumbar pathology
- ✓ **Patient Safety Switch**
puts patient in control of the session
- ✓ **Cervical Tilt**
adjusts to target specific spinal segments
- ✓ **Cervical Restraints**
direct capture of occiput to directly apply distraction force to the spine
- ✓ **Cervical Unit**
decompresses injured cervical discs
- ✓ **Upper Restraint**
anchors patient's ribcage to stationary portion of the table
- ✓ **Drive Mechanism**
high speed electric actuator replaces old style traction box
- ✓ **Knee Bolster**
increase patient comfort
- ✓ **Internet Connectivity**
allows for remote updates and system checks
- ✓ **Casters**
allow easy mobility
- ✓ **UPS System**
protects sensitive electronics and provides backup battery power

SpineMED® S200E/S200EC Express Specifications

S200E - Express

Lumbar Only System
(120 or 240VAC)

S200EC - Express

Lumbar and Cervical System
(120 or 240VAC)

Dimensions

77" (196 cm) Long x 32 ¼" (82 cm)
wide x 25" (63.5cm) high
(length includes cervical unit)
Total length required for proper lumbar
/cervical operation is 88" (224 cm)

Weight

435 lbs. (197 Kgs) (cervical attached)

Power

110-120/220-240 Volts AC; 10 Amps @120VAC
or 8 Amps @240VAC





The SpineMED® Ultra System At A Glance

The SpineMED® System provides the patient with the most clinically efficient decompression session available.

- ✓ **Touch Screen Computer**
allows for easy operation and storage of patient charts

✓ **Printer**
prints patient reports and documentation

✓ **UPS System**
protects sensitive electronics and provides backup battery power

✓ **Casters**
allow easy mobility

✓ **Built-in Networking**
allows for remote updates and system checks

✓ **Cervical Unit**
decompresses injured cervical discs

✓ **Cervical Restraints**
direct capture of occiput to directly apply distraction force to the spine

✓ **Cervical Tilt**
adjusts to target specific spinal segments

✓ **Headphones**
provide audio for education materials or relaxation

✓ **Upper Restraint**
anchors patient's ribcage to stationary portion of the table

✓ **Patented Pelvic Restraints**
secures patient's pelvis to moveable section of the table and allows direct application of distraction force to the spine

✓ **Patented Pelvic Tilt**
places the patient's pelvis into flexion to target specific lumbar pathology

✓ **Patient Safety Switch**
puts patient in control of the session

✓ **Knee Bolster**
adjusts to 3 different heights to accommodate different leg lengths

✓ **Drive Mechanism**
high speed electric actuator -replaces old style traction box

✓ **Air Bladder**
Supports patient's lordosis to improve comfort during treatment.

✓ **Far Infrared Light**
Far infrared element in the lumbar section with an effective penetration depth of 3cm relaxes paravertebral tissues during distraction and promotes increased cellular activity to accelerate healing.

✓ **Patient Monitor**
allows the patient to view the progress of the current treatment, or to view video through MP4 streaming

✓ **Headphones**
provides relaxation music or to listen to entertainment video

SpineMED® S200U/S200UC Ultra Specifications

S200U Ultra

Base System - Lumbar Only (120 or 240 VAC)

S200UC Ultra

Cervical Unit - Attachment to S200U Lumbar Base System (24 VDC from S200U)

Dimensions

92" (234 cm) Long x 48" (122 cm) wide x 49" (125 cm) high (length includes cervical unit) Total length required for proper lumbar/cervical operation is 106" (270 cm)

Weight

495 lbs. (224 Kgs) (cervical attached)

Power

110-120/220-240 Volts AC; 10 Amps @120VAC or 8 Amps @240VAC



"As a specialist in Physical Medicine and Rehabilitation, with over 15 years of clinical experience, I have developed a strong focus on non-surgical spinal decompression therapy for a wide range of musculoskeletal conditions — including intervertebral disc disorders, protrusions, bulging discs, and facet joint syndromes.

The SpineMED® system has been the cornerstone of my approach, offering a safe, effective, and non-invasive solution. When combined with other targeted rehabilitation modalities, it provides reliable outcomes and high patient satisfaction. This success is reflected in the trust and referrals I receive — with the majority of patients coming through word-of-mouth, thanks to the results they experience firsthand.

I strongly recommend SpineMED decompression therapy as an integral part of modern spine rehabilitation."

Dr. George Vissarakis, MD; Athens, Greece



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“The SpineMED® Spinal Decompression Table has been a game-changer for our patients suffering from disc-related conditions. We consistently see life-changing results—patients who were once facing surgery or daily pain and disability are now returning to work, activity, and joy.”

Dr. Nik Dukovac, Chiropractor,
Fairway Chiropractic Centre
(Home of the Disc Repair Clinic)

THE BEGINNING AND THE END OF DISCOGENIC PAIN

Intervertebral disc pathology is one of the primary causes of back and neck pain. The discs are prone to degeneration and injury as they are compressed and twisted through daily activities. As the disc degenerates, the gel-like nucleus loses its hydration, reducing disc height and creating the possibility of facet syndrome and lateral foraminal stenosis. Furthermore, disc degeneration causes the pliable outer wall of the anulus to become brittle and susceptible to cracks and tears that can lead to disc herniations. Bulging or herniated discs often press on spinal nerves, causing severe pain and radiculopathy.

Damaged intervertebral discs seldom heal because they remain under constant pressure, even while a person is at rest. It is widely accepted that the ideal environment to improve disc pathology is to decompress, or reduce the intradiscal pressures of the damaged disc. The goal of reducing intradiscal pressure is to enhance the osmotic diffusion of fluids and nutrients across the endplates into the disc, furthering the body's natural healing abilities. Additionally, reduction of intradiscal pressures may help draw the nucleus pulposus of a herniated disc back into the center, thereby relieving pressure on a compressed nerve root —alleviating the problem and the pain.



PATENTED PELVIC RESTRAINTS

Allow for direct capture of the skeletal structure, and delivery of energy directly to the spine.



PATENTED PELVIC TILT

Places the pelvis into flexion, to target specific spinal segments.

The SpineMED Advantages

Offer a more efficient procedure, see more patients, and get better results. With SpineMED®, you're using the most technologically advanced decompression system on the market.



✓ 20 Millisecond Response Time

Use a system that fine-tunes forces almost instantly. SpineMED®'s computer-controlled biofeedback response adjusts distractive forces at an astounding rate of 20 milliseconds (the human neurological response is approximately 50 milliseconds). Old harness designs simply cannot react and adjust tensions at this incredible speed. While their load sensors and motors are designed to adjust forces in less than a second, the true reaction time is significantly longer as the force to the patient is adjusted with the system bringing in or letting out nylon strap or rope from its drive mechanism. The distraction energy is also disbursed and absorbed through the traction box, nylon webbing, pulleys, and harness systems.

✓ Technology Designed to Overcome Reflex Contractions

It is commonly recognized that achieving decompression depends upon the ability to distract the spine without eliciting reflex muscle contractions or spasms. SpineMED® monitors tension applied to the patient every 2.5 milliseconds and will make adjustments every 20 milliseconds. This ability to almost instantly sense and adjust tensions along with our patented direct capture of the pelvis are key differences that distinguishes SpineMED® Decompression from other devices and conventional traction.

✓ Superior Sessions: Targeted Distraction Using Lower Forces

Get better results with better technology. SpineMED®'s patented pelvic restraints directly capture the skeletal structure, and transmit the distraction force from the electric actuator, directly to the skeletal structure. The delivery of the distraction force is therefore from metal to metal to bone. The ability to achieve positive outcomes using lower forces greatly increases patient comfort and suitability, particularly with acute patients and the growing geriatric population.

✓ Focused Distraction

Zero-in and accurately isolate damaged discs. SpineMED®'s pelvic tilt feature rotates the pelvis between 0–25 degrees during lumbar sessions, while the cervical section positions the head between 0–30 degrees of flexion for cervical sessions. Adjustable patient positioning is designed to accurately move the focal point of distraction, allowing SpineMED® to target specific spinal segments. Older technologies attempt this by raising or lowering the traction box within their tower design.

✓ Wider Patient Suitability

Attract more patients. SpineMED®'s ability to achieve results using lower forces also increases the scope of suitable patients, especially with acute to sub-acute patients, frail patients, and the growing geriatric population.

The Significance of bypassing reflexes

It is generally recognized that achieving decompression depends upon the ability to distract the spine without eliciting reflex muscle contractions or spasms. The Pre- and Post- MRI's of a SpineMED® patient illustrate the dramatic physiological changes to the damaged disc— both a dramatic reduction in disc herniation and an increase in hydration, as observed through T-2 weighted imaging. These objective changes are not random occurrences in the incidence of disc pathology, and suggest the dramatic reduction of intradiscal pressures and subsequent increase in the osmotic diffusion gradient across the disc endplates.

Many patients, especially those presenting with acute disc pathology, experience a natural guarding reflex under traction. A previous meta-analysis evaluating conventional traction determined that ***“very few randomized controlled trials reported positive effects on low back pain, and increased pain and intervertebral pressures have been reported after its use.”***²

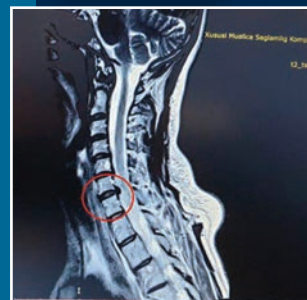
Additionally, conventional traction has never demonstrated the ability to reduce intradiscal pressures into the negative range. Leading spine researchers Nachemson, and Anderson and Schultz concluded that “when traction is applied so that back muscles contract, then disc pressures will increase.”¹



Pre – SpineMED®



Post – SpineMED®



Pre – SpineMED®



Post – SpineMED®

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“There is nothing safer and more effective than the SpineMED®. Its unmatched technology makes it quiet and gentle. My patients love it!”

Dr. Andrew Pierce,
Solana Beach, CA



¹ Anderson, G., Schultz, A., and Nachemson, A. (1968) “Intervertebral Disc Pressure During Traction”. Scand. Journal of Rehabilitation Medicine Suppl. 9. 88-91

² Vanti C, Panizzolo A, Turone L, Guccione AA, Violante FS, Pillastrini P, Bertozzi L. Effectiveness of Mechanical Traction for Lumbar Radiculopathy: A Systematic Review and Meta-Analysis. Phys Ther. 2021 Mar 3;101(3):pzaa231. doi:10.1093/ptj/pzaa231. PMID: 33382419.

Lower Force Requirements

Reduce the force on your patients. SpineMEDs'® unique direct capture of the pelvis with our patented Pelvic Restraints eliminates the use of outdated pelvic harnesses, which increases the efficiency of the targeting and application of distraction forces. With precise targeting of distraction forces, SpineMED® decompression protocols call for a fraction of the force required with competitor's devices. In fact, the average distractive force on SpineMED® is 10% to 15% body weight, compared with older device recommendations of 55% to 75% of body weight. SpineMED®'s lower force requirements dramatically improve patient comfort and tolerance while virtually eliminating any risk of exacerbations or other negative side effects that are common on competitor's devices.

Better Patient Capture

You'll see the benefits of the SpineMED® design from the moment you prepare your first patient for the procedure. Rather than attempt to clamp the patient's pelvis as nylon harnesses do, the patented pelvic restraints comfortably secure the patient's pelvis by simply resting over the iliac crest, rendering nylon harnesses a thing of the past. This direct capture provides a comfortable, secure, and repeatable setup, eliminating the variability, slippage, discomfort, and inconvenience of the nylon harnesses found on other Decompression systems.

Eliminate slippage. With SpineMED®, your patients enjoy uninterrupted sessions, and your staff is relieved of the stopping and starting that comes with resetting harnesses. You can set the parameters for the session and leave the patient unattended with full confidence they are receiving a valid session.

2-Minute Setup Time

Save time. Save money. With SpineMED®, it's faster and easier to prepare patients for treatment. SpineMED®'s pelvic restraints, along with other unique technology incorporated into the device, facilitate a patient setup time of less than two minutes. This optimal efficiency allows you to see more patients during the same hours, without impacting your current patient flow or requiring additional staff to operate your SpineMED®.

Repeatable Sessions

Achieve virtually 100% repeatability from session to session. SpineMED® eliminates the variability or inconsistent positioning of harnesses, regardless of the patient or the operator, with its highly accurate pelvic restraint system.

More Comfortable for Patients

Give your patients a comfortable experience. SpineMED®'s pelvic restraints simply rest on the iliac crest, to directly capture the pelvis without any pressure against the pelvis or hip joint, for superior comfort during the procedure.



Accommodate Any Size Patient

Help more patients. SpineMED®'s pelvic restraints comfortably and accurately secure patients of virtually any size (70 to 325 lbs. or 32Kg to 148Kg) without the problem of slippage found with nylon harnesses. The pelvic restraints effectively displace adipose tissue to capture the skeletal structure without having to rely on different sized harnesses.

Engineered for Exceptional Clinical Performance

You can depend on SpineMED®. Each system adheres to the highest standards of quality. Extensive computer controls and hospital-grade components ensure superior performance and reliability while the smart design makes SpineMED® easy to operate and practical for your practice.

Medical Device Licensed and Patent Protected Worldwide

You will also feel very confident with SpineMED®. SpineMED® has been cleared for both Lumbar and Cervical Decompression by Health Canada (License #67289), USA FDA (510k 051013), Europe (EC Certificate 28620200610), Brazil NCC (18.05287) as well as numerous other countries. The system design and key components are patent protected under multiple patents worldwide and the software systems have been copyrighted.

Smart Design

It's easy to make room for SpineMED®. We've designed the system to fit into existing offices, only requiring a four by eight foot space (122cm x 244 cm). The table has casters for portability, so disassembly is not required to relocate the unit to another room in your office.

The SpineMED® System is comprised of modular components that have a solid track record; purported to be the best in the industry. The built-in battery back up and voltage regulator protect the sensitive electronics of the device and provide power in the event of a power outage. This allows the SpineMED® to be plugged into any standard electrical outlet, without the need or expense of adding a dedicated circuit.

Easy to Operate

You'll be up and running quickly. SpineMED®'s quick and simple patient setup and intuitive controls provide your practice with an unattended modality that can be operated by virtually anyone on staff. Included with your purchase, a certified SpineMED® specialist will provide you with a day of on-site training. You'll learn how to control the proprietary software with easy touch screen menus. The system automatically calculates many of the patient protocols, and you have the power to limit security access to only those operators with a valid user ID and password, that you assign.

“We had great success with the SpineMED system from day one. It was our privilege to be the first orthopedic practice in Germany to use SpineMED.”

Dr. Eduard Chen, MD –
Kronberg, Germany



Solid Reliability with Upgradable Technology

Stay up-to-date with state-of-the-art equipment. We use hospital grade components to ensure that the SpineMED® system meets the highest standards of quality as outlined by the International Organization for Standardization. Extensive computerization allows SpineMED® technicians to remote access the system, run diagnostics, check calibrations, and even upload software upgrades over the internet. This ensures your SpineMED® stays current with the latest industry protocols.

The system is backed with the best parts and labor warranty in the industry. Once installed, and calibrated there is no scheduled maintenance required for your SpineMED® EVER! The SpineMED® should be calibrated following any move or transport from its original installed location.

Built-In Infrared Light Therapy

Enhance your results. A far-infrared light element with an effective penetration depth of 3cm relaxes paravertebral tissues during distraction and promotes increased cellular activity to accelerate healing. (available on SpineMED® Ultra models)

Automated Patient Reporting

Maintain complete record keeping. The SpineMED® system automatically records each session in a permanent electronic patient file, which includes the parameters of the session, the patient's VAS pain score, and any associated SOAP notes or documentation. You can also access a variety of comprehensive reports at the touch of a digital button. You can save the reports as .pdf attachments, e-mail them, or print them through SpineMED®'s built-in printer. (available on SpineMED® Ultra models)

Built-in Audio/Video Entertainment

Make the experience better for your patients. To promote relaxation or provide patient education, SpineMED® includes a flat panel Patient monitor that will play videos or audio files with headphones for the patient to listen privately. Patients can watch videos, listen to music, or monitor the progress of their session by viewing the electronic trend-line graph. (available on SpineMED® Ultra models)



"Adding SpineMed to my chiropractic practice years ago completely revolutionized my practice. I have three of them. Being able to successfully and predictably care for spinal disc pathology and getting exceptional outcomes, has turned my practice into a new patient magnet. Traditional medical care fares poorly with spinal disc/radiculopathy care. Medications, never-ending "therapy" and pain management and spine surgery all have poor outcomes and limited help when they do help. I have my patients typically out of pain and back to normal activities of living in a little over six weeks and they are stable. They don't regress.

True "disc decompression" is accomplished with the SpineMED, the only true 3rd generation technology system. No ropes and harnesses. The SpineMED's direct capture of the pelvis and head/neck, allows for tremendous efficiency and patient comfort. A tiny amount of tension gets amazing results.

When shopping for a decompression system, you can choose between the technological equivalent of a "Model T" (older systems) or the "Tesla" (SpineMED). The choice becomes clear with a comparison of performance."

Gregory Lewis, DC – Westminster, MD



On-site Office Training

At the end of the day you'll be SpineMED® decompression experts. Installation includes a day of on-site training for the doctors and staff. We install and calibrate the machine, teach you and your staff how to set up a patient for sessions, and provide detailed instructions on protocols and reporting. SpineMED® also provides a therapist certification program, so that you and your staff can become Certified SpineMED® Therapists.

Full Marketing Materials Available

With the available marketing package, you'll gain access to a library of marketing materials to attract more patients.

Flexible Patient Financing

Offer more financing options. To increase the acceptance and accessibility of SpineMED®, patients can take advantage of financing packages that eliminate high upfront costs.

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“My only regret is that I didn't buy this table sooner. It has completely enhanced my ability to care for my community.”

Dr. Shai Karpf, D.C., Florida





SpineMED is the only device with direct capture and direct application of force to the skeletal structure, through the patented Pelvic Restraint mechanism.

Older technologies employ antiquated traction technology in the use of nylon pelvic harnesses to capture the patient's lower torso, and then restrain the upper torso with a nylon strap and axilla bolsters that rest in the patient's armpits. As these devices utilize very high distraction forces, most patients slip through the upper nylon harness, and ultimately are restrained through the axilla bolsters. This nylon pelvic harness style system transmits the energy from the motor in the tower, through approximately 20' of nylon strap or rope and then into the nylon pelvic harness, which then transmits the energy through the entire torso, to eventually cause a distraction force in the spine. The energy therefore is first transmitted through and absorbed by all of the adipose tissues, fat, muscle and organs, prior to causing any distraction in the spine. The protocol for these harness style devices for lumbar treatment is typically between 55% and 75% of patient body weight.

SpineMED's patented Pelvic Restraint system are designed to simply rest over top of the iliac crest to capture the pelvis,

and therefore do not apply any pressure against the pelvis. The Pelvic Restraints are shaped to conform to the iliac crest and are padded with 5/8" of medical grade gel so that they comfortably capture the pelvis. As the pelvic restraints are directly connected to the electrical actuator drive mechanism, the delivery of energy is direct, being transmitted from the metal actuator to the metal restraints to the pelvic bone and the spine. The direct application of force to the spine dramatically increases the efficiency of distraction, where the lumbar protocol for SpineMED requires between 10% and 15% of patient's body weight, which is approximately 1/7 to 1/5 of the force required by harness machines. Additionally, direct force application to the spine eliminates energy transfer through all of the adipose tissues in the torso, thereby eliminating the common side effects found on harness style devices. The lumbar treatment experience with SpineMED is so efficient, patient's do not and should NOT feel any force during treatment.

To find out more or
place an order,

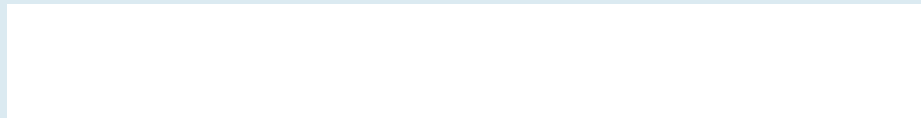
please call **866-990-4444**,
email **info@spinemed.com**,

or check out our website at
www.spinemed.com.

With SpineMED®, you'll see more patients. And they'll see results.



SpineMED Decompression System is engineered and certified to worldwide medical standards. FDA 510(k) #K051013, CE, TUV, ISO 13485, Health Canada Medical Device License #67289



V1.3