

Robospine₁₀₀

**Guidance Based Robotic
Spinal Decompression
Therapy System
for Neck and Spine**

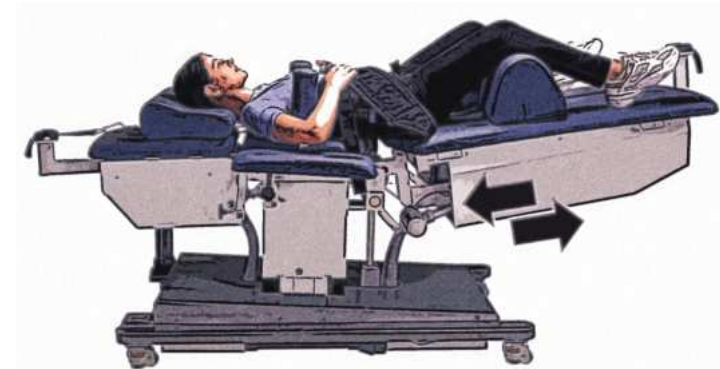


True Decompression Therapy

A True Decompression therapy powered by separate motorised lumbar and cervical section exerts decompression force directly on the patient which is remarkably better than conventional belt or rope driven decompression system which suffers hysteresis losses as the rope pulls the patient through the harness. In Robospine 100 the pull is so smooth and so controlled that the patients tend to fall asleep.



MACHINE ← **PULLS** **ROPE** ← **PULLS** **HARNESS** ← **PULLS** **PATIENT**



MACHINE ← **PULLS** **PATIENT** ← **SUPPORTS** **STRAP**

Modes

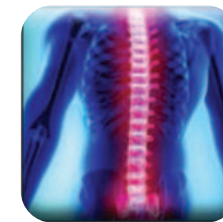
Select from List of predefined Indications or Manual Mode and start the decompression therapy. Recall last treatment easily using Treatment ID.



Cervical Mode



Lumbar Mode



Mobilization



Recall Mode

Product Features

HEAD HALTER FOR CERVICAL DECOMPRESSION

Soft Head Haltar for maximum patient comfort.



10.1 INCH COLOUR TOUCH PANEL

Large easy to use touch panel



UNIQUELY DESIGNED BELTING

Quick and easy Thoracic and Lumbar Harness belting system



MOVABLE ARM

Arm can be rotated to switch between operator & patients viewing



AXILLA POSTS

For additional support in Lumbar Decompression

ADJUSTABLE ARMREST

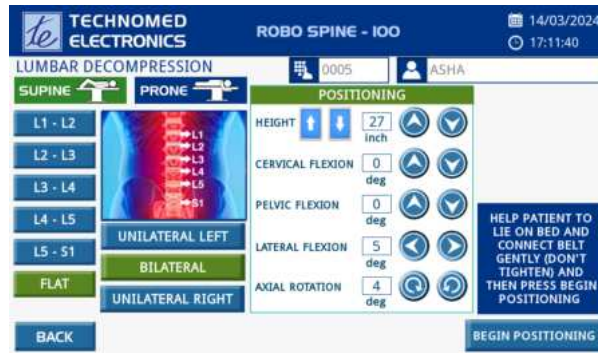


COMFORTABLE KNEE BOLSTERS

LOCKABLE WHEELS

Easy to unlock and Move





TARGETING SCREEN

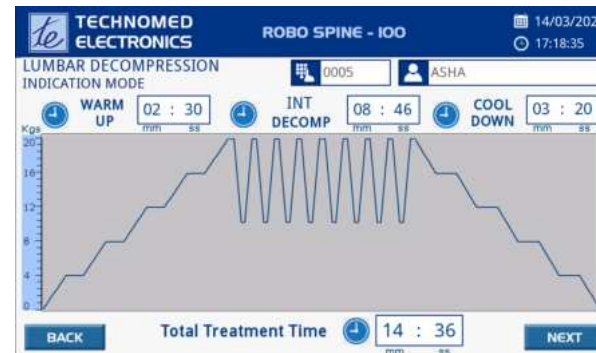
Lumbar Decompression

1. Select **Supine/Prone** Mode depending on the Indication.
2. Selection of Segment produces **Pelvic Flexion**.
3. Selection of Unilateral Left/Right produces **Lateral Flexion** in opposite direction.
4. Adjust **Axial Rotation** to unlock the facet joints.

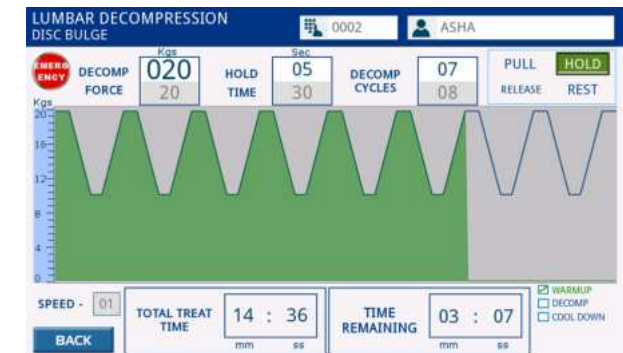
This way precise Targeting of Spine can be done in our Robotic System.



LUMBAR DECOMPRESSION
PROGRAMMING



TREATMENT PREVIEW

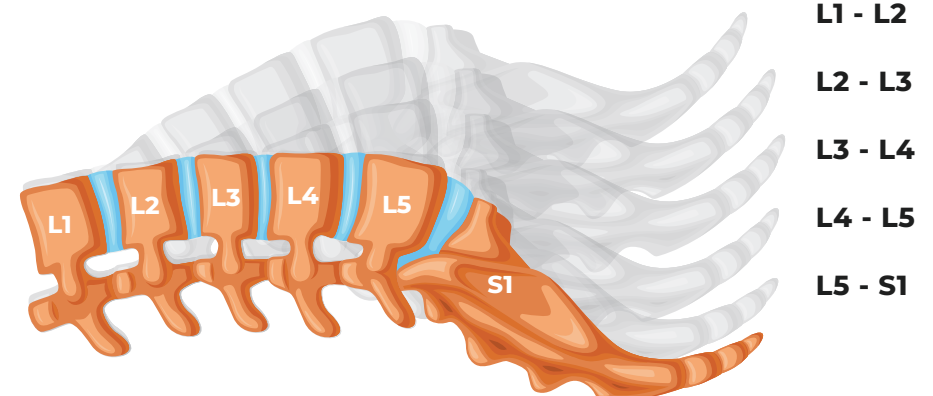


REALTIME GRAPH

Targeting Lumbar Spine

By Targeting the Lumbar Spine Precisely desired posterior/anterior tilt is produced in the spine as illustrated. This results in targeting the decompression force to the desired segment of spine.

Gentle Controlled Decompression is done to reduce muscle spasms due to pull back effect of muscles. This results in pain free spinal decompression therapy.



Supine Flexion



Supine Extension



Prone Flexion



Prone Extension



Supine Position



Prone Position



Cervical Decompression

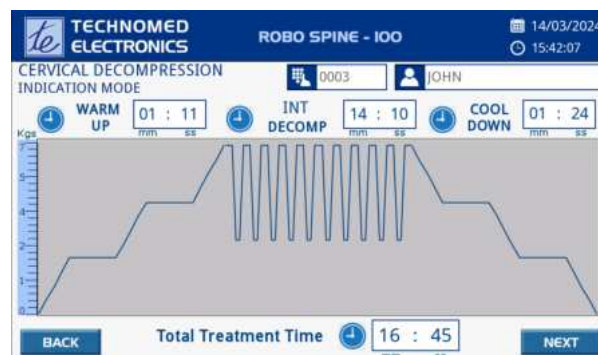
Separate Motorised Section for performing Cervical Decompression. Patient is connected to a soft Head Halter and it gently pulls the cervical spine. Precise targeting of Segment can be done in our Robotic System.



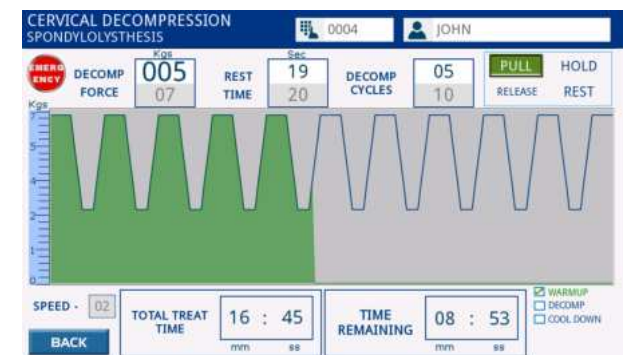
TARGETING SCREEN



CERVICAL DECOMPRESSION
PROGRAMMING



TREATMENT PREVIEW



REALTIME GRAPH

Range of Motion

Adjustable Height - Min 23 inches - Max 30 inches

Pelvic Flexion



Cervical Flexion



Lateral Flexion



Axial Rotation



Benefits of Having Robospine - 100 Spinal Decompression Therapy System in your Clinic.

- Thousands of Patients with disc-related injuries in your area can be treated successfully.
- Decompression is great for older patients who don't tolerate painful treatments.
- Spinal Decompression offers most advanced facilities, a great advantage to your clinic.
- Most chronic spinal conditions can be easily treated with our Spinal Decompression therapy system.
- Choose from a list of Guidance based Indications and treat your patient. The machine will automatically suggest treatment parameter changes as the treatments progresses. You can also create your own treatment program and simply recall the treatment every time.

Technical Specifications

Adjustable Height (Inches) : 23 to 30

Decompression Force

Cervical : 5-15 Kgs (1 Kg Increment)

Cervical Flexion Range : -5° to 20°

Lumbar : 15-90 Kgs (1 Kg Increment)

Pelvic Flexion Range : -10° to 20°

Lateral Flexion Range : -15° to 15°

Axial Rotation Range : -15° to 15°

Dimensions LxBXH (Inches) : 96x40x30

Total Weight : 220 Kgs



TECHNOMED
ELECTRONICS

Plot No: 41, Functional Industrial Estate,
Perungudi, Chennai - 600 096.

Tel: 044-42020060

Email: sales@technomedelectronics.com

