

# Vector<sub>1</sub>

Innovation In Continuous Passive Motion

**Lantz**  
Medical

*Positive outcomes, hand delivered*



Exclusive Distributor: Joints In Motion Medical, LLC  
262-547-4276 toll-free: 866-546-4276

## Indications

For the treatment and prevention of intra-articular adhesions, extra-articular contractures, and excessive post-operative swelling. Vector<sub>1</sub> has been used for, but is not limited to the following diagnoses:

- MP arthroplasty
- Tenolysis
- Escharotomy
- Fasciotomy
- Skin Graft
- Dupuytren's contracture
- Complex regional pain syndrome
- ORIF
- Post external fixation
- Edema
- Burn
- Degloving
- Partial digital amputation
- Volar plate repair
- Flexor tendon repair
- Stiff hand syndrome
- Extensor tendon repair
- Tendon transfer

## Key Features and Benefits

- -21° hyperextension to 340° flexion (full composite fist)
- 9 gradations of speed: low-end torque
- Up to 45 minutes, 25 seconds of pause at extension and flexion limits which allows for a controlled stretch and rest period
- Intrinsic plus/safe hand position accomplished by first phalanx positioning of finger plates
- Intuitive and convenient digital display of angle, ROM settings, speed and force
- Simple hand control functions
- Telescoping forearm splint for increased base of support
- Malleable splint for increasing surface area contact circumferentially

## Clinical Advantages

- Strongest motor on the market to prevent rebound of unit during prescribed ROM
- Dynamic spring leaf caterpillars: Malleable to accommodate ROM considerations
- Glove option to ease donning and doffing of unit-facilitates increased compliance
- Programmable force, ROM, and speed to accommodate vast clinical considerations for optimal outcome
- Expand feature for patient warm-up
- Pause feature increases low load prolonged stretch to enhance tissue remodeling

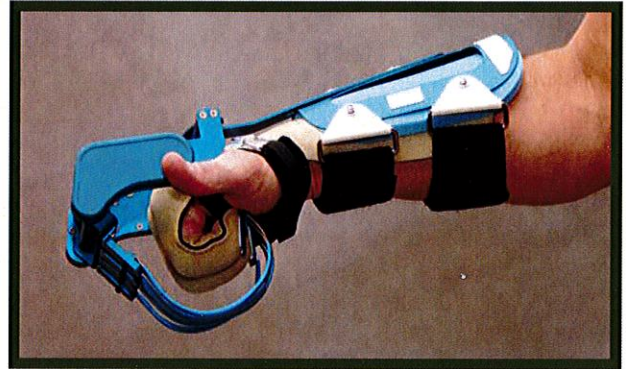
# Vector 1 and Chronic Regional Pain Syndrome

The Vector 1 Hand Rehabilitation Device offers specific clinical advantages to patients diagnosed with chronic regional pain syndrome (CRPS).

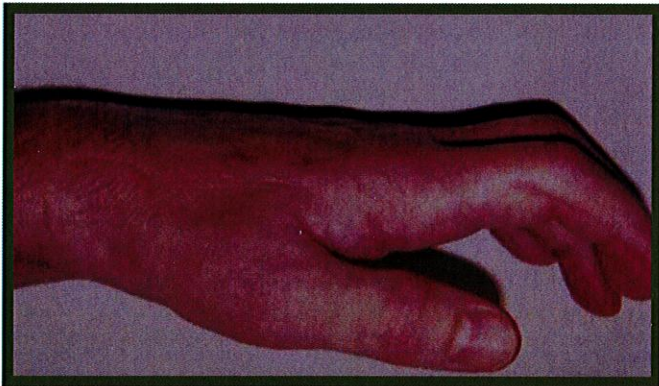
The clinical presentation of CRPS offers a myriad of challenging symptoms. Treating clinicians must help patients overcome hypersensitivity, joint stiffness, swelling, decreased ROM and loss of strength secondary to disuse atrophy.

Continuous passive motion:

- Desensitizes hand
- Increases ROM and can pump edema out secondary to the venous return system
- Increases circulation which helps re-coordinate the responses nerves are sending
- Reduces pain and edema



The Vector 1's unique design allows for custom set-up techniques to assist in treating your patients with chronic regional pain syndrome.



- Low force settings accommodate skin sensitivity, allowing intentional reversal of the device
- Large glove finger socks assist in donning and doffing of the device, facilitating continuous passive ROM desensitization
- Reducing speed identifies patient's true end range of motion, providing a non-aggressive total end range stretch between a "1-2" on a subjective 0-10 pain scale.

The Vector 1 has demonstrated positive patient outcomes when treating the symptomology of CRPS and continues to meet the challenging scenarios presented to the treating hand clinician.

Your representative looks forward to assisting with patient setup when you consider utilization of the Vector 1 Hand Rehabilitation Device.

*Place business card here*

