

Shockwave Therapy

PRODUCT BROCHURE COLLECTION

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MedCOR Clinical Solutions

Radial and focused shockwave options compiled into one convenient resource.



INTELECT® **RPW 2**

Next Generation
Shockwave Therapy

*Treat Deeper.
Faster.
Easier.*





INTELECT® RPW 2

Next Generation Shockwave Therapy

TREAT DEEPER. FASTER. EASIER.
The Intellect® RPW 2 brings the next generation of shockwave therapy to the treatment room using Radial Pressure Wave technology. Designed to activate connective tissue from the surface level to difficult-to-reach pathologies, the new Intellect® RPW 2 is a modality for addressing pain and inflammation in orthopaedic conditions.*

Chattanooga Intellect® RPW 2 can provide clinicians with an effective and efficient platform that can assist in activating connective tissue with difficult to reach pathologies ^{2,3,4,5} while helping to reduce wear and tear on the clinician’s hands and arms.

EASE OF USE
Incorporating high resolution touch screen technology, the Intellect® RPW 2 was created with ease of use for the clinician in mind. The clinical protocols library provides a visual anatomical and pathological library as well as treatment guidelines to aid the clinician in providing effective treatments for a large range of pathologies. The Chattanooga Intellect® Connect App provides a seamless transition of patient data from the device to the PC, allowing the clinician to produce reports and to share patient data across other Chattanooga devices. Built with ease of use in mind, the Intellect® RPW 2 includes the new ergonomic Falcon® Handpiece and convenient storage placement of device accessories.

TREAT A WIDE RANGE OF PATHOLOGIES ^{2,3,4,5}
Now available with a broader range of pressure settings and 21 unique transmitter attachments, the Intellect® RPW 2 can be customized to help treat a wide range of pathologies. With guidelines on recommended transmitters for specific conditions, clinicians can address tendinopathies and myofascial trigger points as well as pain and inflammation. The versatility offered by Intellect® RPW 2 makes it the true difference maker as your next revenue generating clinical asset.

PATIENT COMFORT
Featuring the new Falcon® Handpiece and treatment transmitters, the Intellect® RPW 2 is equipped with a broader range of bar pressures to help assist in patient comfort during treatment. Chattanooga’s proprietary ‘Comfort Mode’ provides an automatic energy ramp up, to help create a more comfortable treatment experience for the patient.

KEY FEATURES



SUGGESTED PROTOCOLS LIBRARY
Available at a finger click; treatment pictures, anatomical and pathological library, treatments guidelines.

LARGE GRAPHIC COLOR TOUCH SCREEN
High resolution 7” capacitive touch screen for enhanced user experience.

NEW FALCON® HANDPIECE
allowing lower Bar pressures for an increased range of indications and applicators.

PROPRIETARY COMFORT MODE
Unique automatic energy ramp up designed to provide better patient comfort.

V-ACTOR® HF*
Vibration frequency up to 50Hz for Vibration therapy and muscle relaxation.



LARGE CHOICE OF TRANSMITTERS*
17 different transmitters available for tendinopathies, trigger points, spine and fascia treatments.

EASY FIT FOR EVERY TREATMENT ROOM
With its slim design and built-in rolling cart, the Intellect® RPW 2 moves around the treatment room with ease.

WINDOWS 10 APP
The Intellect Connect App* gives great flexibility in the handling and processing patient data, allowing the export of patient treatment data and protocols from device to PC allowing not only the ability to produce reports but also to share treatments and patient data between multiple Intellect RPW 2 devices within a practice and in other smart enabled Chattanooga devices. Download the Intellect® Connect App free from www.chattanooga rehab.com

* Optional accessories

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*FDA 510(K) Clearance Statement

TARGETED PAIN RELIEF

The Intellect® RPW 2 allows for the treatment of indications with radial, pneumatically-generated, low-energy acoustic waves, or ‘pressure pulses’. The applied pressure pulse propagates radially within the tissue, generating a therapeutic effect.

The V-ACTOR® HF optional hand piece allows mechanical vibration, for high frequency vibration massage.

INDICATIONS

- ACHILLES TENDINOPATHY ¹
- DISORDERS OF TENDONS INSERTIONS ²
- MYOFASCIAL TRIGGER POINTS ³
- PAIN & INFLAMMATION IN ORTHOPAEDIC CONDITIONS ⁴
- PLANTAR FASCIITIS ⁵
- PULSE VIBRATION MASSAGE ⁶

INTENDED TO BE USED TO HELP:

- REDUCE MUSCLE PAIN AND ACHES
- TEMPORARILY INCREASE BLOOD FLOW
- ACTIVATE CONNECTIVE TISSUE

Common painful conditions that can be treated by Radial Pressure Wave (RPW) therapy to help reduce pain, increase blood flow, and activate connective tissue in the affected area.*

Myofascial Trigger Points (MTrP): Localizing and Deactivating Trigger Points

- Triggers are localized at the low energy level (approximately 2 bar) by passing the transmitter over the muscle region being treated (increased sensitivity to pain) and then deactivated using a higher energy level (approximately 3 bar).

Activation of Muscle and Connective Tissue: Increasing Circulation

- Promotes blood flow through the tissue and boosting metabolism.

Pulse Vibration Massage

- Soothing relief from muscle strain and stress.

Disorders of Tendon Insertions: Plantar Fasciitis, Heel Pain, or Heel Spur

- Plantar Fasciitis is an inflammatory condition of the foot caused by excessive wear to the plantar fascia that supports the arch

Tendinosis Calcarea/Supraspinatus-Tendon: Shoulder calcifications and chronic shoulder pain

Radial and Ulnar Humeral Epicondylitis: Tennis elbow, inflammation of tendon attachments on cubital or radial part of elbow joint (humeral)

Achillodynia: Pain due to inflammation of the Achilles tendon or the bursa associated with it.

Retropatellar Pain Syndrome: Pain in the front of, behind, and around the kneecap.

Tibial Edge Syndrome: Pain located along or just behind the medial edge of the tibia

Proximal Iliotibial band Friction Syndrome/Trochanteric Insertion Tendonitis: Pain or aching on the outer side of the knee or hip

*For detailed information please read the contraindications, side effects, precautions and safety instructions within the user manual prior to the treatment.

RECOMMENDED TREATMENT GUIDELINES

- LOCALIZE THE PAINFUL AREAS YOU PLAN TO TREAT
- SELECT MOST APPROPRIATE TRANSMITTERS BASED ON TREATMENT GOAL AND TARGETED TISSUE
- APPLY ULTRA SOUND WATER BASED GEL ON THE SKIN OVERLYING THE TREATMENT AREA
- ALWAYS START WITH LOWER LEVEL OF INTENSITY
- PERFORM A POST-TREATMENT TEST TO SEE FOR BETTER FUNCTION AND DECREASED IN PAIN

As a result of clinical evidence, most treatment protocols are based on 5 to 10 sessions of 1,500-2,500 shocks.

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EDUCATION

Access to an online education platform and scientific research library is offered to every Chattanooga® Intellect® RPW 2 user.

CLINICAL INFORMATION

1. Gerdesmeyer L. Current evidence of extracorporeal shock wave therapy in chronic Achilles tendinopathy.NCBINCBi Logo Int J Surg. 2015 Dec;24(Pt B):154-9. doi: 10.1016/j.jisu.2015.07718. Epub 2015 Aug 29."

2. Gerdesmeyer L. Current evidence of extracorporeal shock wave therapy in chronic Achilles tendinopathy.NCBINCBi Logo Int J Surg. 2015 .

3. Nedelka T.Mechano-transduction effect of shockwaves in the treatment of lumbar facet joint pain.Neuro Endocrinol Lett. 2014

4. Schmitz C. Efficacy and safety of extracorporeal shock wave therapy for orthopedic conditions: a systematic review on studies listed in the PEDro database.Br Med Bull. 2015;116:115-38. doi: 10.1093/bmb/ldv047. Epub 2015 Nov 18.

5. Ogden JA. Shockwave therapy for chronic proximal plantar fasciitis: a meta-analysis.Foot Ankle Int. 2002 Apr;23(4):301-8

6. S. Broadbent, JJ. Rousseau, RM. Thorp, SL. Choate, FS. Jackson, DS. Rowlands. Vibration therapy reduces plasma IL6 and muscle soreness after downhill running. 2010 Sep;44(12):888-94

INTELECT® RPW 2 TRANSMITTERS

A choice of standard transmitters for Radial Pressure Wave (RPW) indications.
Each transmitter is unique by shape and material to deliver it’s own energy flux density and wave profile.

TRIGGER POINTS / TENDINOPATHIES

- 

Ro40
15 mm Energy beam transmitter with concave coupling surface, best for pain zones near the skin surface
Penetration depth 0-35mm
Intensity level: Medium
- 

R15
15mm transmitter for any type of tendinopathies
Penetration depth 0-35mm
Intensity level: Medium
- 

C15 CERAmA-x®
Ceramic Energy 15mm transmitter for any type of tendonopathies
Penetration depth 0-35mm
Intensity level: High
- 

DI15
Golden Depth 15mm Deep Impact®transmitter for deep target areas, chronic disorders, local trigger points
Penetration depth 0-60mm
Intensity level: High
- 

A6
Acupuncture like transmitter 6mm for local trigger points
Penetration depth 0-20mm
Intensity level: Low
- 

T10
Finger transmitter 10mm for deep target tendonopathies
Penetration depth 0-40mm
Intensity level: High
- 

F15
White soft transmitter 15mm for superficial pain regions, muscles of mastication, cervical spine
Penetration depth 0-30mm
Intensity level: Very Low
- 

ATLAS
Soft flexible tipped transmitter 15mm for highly sensitive regions and triggerpoints in the cervical spine
Penetration depth 0-15mm
Intensity level: Low

MYOFASCIAL TREATMENTS

- 

D20-S
Standard Oscillator, 20mm transmitter or muscle and connective tissue
Penetration depth 0-50mm
Intensity level: Medium
- 

D20-T
Golden Oscillator 20mm transmitter for professional athletes, High energy application
Penetration depth 0-50mm
Intensity level: Very High
- 

D35-S
Large oscillator 35mm for large muscles and connective tissue
Penetration depth 0-60mm
Intensity level: Medium

SPINE TREATMENTS

Double Tip shape to allows treatments of the paravertebral region

SPINE-ACTOR®
3 sizes span from 20 to 35mm



FASCIA TREATMENTS

Unique shape especially designed to dissolve clots in the Fascia structures

- 

PERI-ACTOR® KNUCKLE
For Medium-sized and large fasciae thoracolumbar fasciae, plantar fasciae, trigger bands, shoulder and neck region
- 

PERI-ACTOR SCLOOP
Treatment at or below the edges of bones:
Front iliac crest, edge of the tibia
- 

PERI-ACTOR® SCRAPER
Treatment of all fasciae trigger band
- 

PERI-ACTOR SPHERE
Punctual treatment of fasciae: Plantar fasciae, Arch of foot, Hand, Trigger points, Cervical spine Fasciae

VIBRATION THERAPY

- 

V10
10mm for superficlea trigger points
- 

V25
25mm for muscle massage
- 

V40
40mm for large muscles groups

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TECHNICAL INFORMATION

- 2176 KIT:** 120V AC 50- 60Hz 350VA
- DIMENSIONS WxHxD:** 16.15in x 16.54in x 4.3.31in
- WEIGHT:** 66.14 Lbs.
- COMPRESSED AIR OUTPUT:** 0.3-5.0 bar
- POWER INCREMENT SETTINGS:** 0.1 bar
- PULSE AMPLITUDE:** Approx 2mm at 3 bar, idling (without coupling)
- PULSE WIDTH:** Approx 6-12ms
- PULSE FREQUENCY:** FALCON® handpiece 1-21Hz for RPW, V-ACTOR® handpiece 1-50Hz for vibration
- MODE:** Single pulse or continuous
- USER INTERFACE:** 7 inch, 800x480 pixels color graphic capacitive touch screen
- CONFORMITY:** This device complies with the applicable standards EN/IEC 60601-1, CAN/CSA-C22.2 No.601.1, UL Std. No 60601-1.
- CLASSIFICATION ACCORDING TO MDD:** class IIa device 93/42 60601-1
- LEGAL MANUFACTURER:** DJO France SAS - CE 2797



INTELECT® RPW 2

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
2176KIT	Intellect® RPW 2 120V AC-50 - 60 Hz 350VA

STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
18080	FALCON® handpiece, including 2x projectile; 2x guiding tube; 1 cleaning brush, 1x wrench; 1x allen key
1x Power cord with EU plug for 2174KIT, 1x Power cord with North American plug for 2173KIT, 1x Power cord with Japanese plug for 2175KIT	

13-28660*	Quick start guide booklets (available in multiple languages)	28178	Transmitter Ro40
22652	Transmitters tray	29724	Transmitter D20-S black
22651	Gel bottle support cup	82-0274	Intellect RPW 2 pouch
4248	1x Transmission gel, 250 ml	15-1140	USB Key

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
81-0133	Intellect® RPW2 PRO Package-Optional Accessory Kit includes 19365 V-Actor HF handpiece with V25 & V40 Transmitters, the 29728 DI15 Gold Transmitter & 29539 Atlas (soft) RPW Transmitter.
18080	FALCON handpiece, including 2x projectile; 2x guiding tube; 1 cleaning brush, 1x wrench; 1x allen key
29104	Revision kit short including 2x projectiles; 2x guiding tubes short; 2x o-ring set; 1x o-ring guide

29801	A6 transmitter black	82-0274	Intellect RPW 2 pouch
29802	T10 transmitter black	22651	Gel bottle support cup
29729	C15 transmitter black	22652	Transmitter tray
29728	DI15 transmitter black	4248	24x Transmission gel, 250 ml
29726	F15 transmitter black	14820	Power cord EU
29724	D20-S transmitter black	14679	Power cord North America
29725	D35-S transmitter black	14821	Power cord JAPAN
28736	D20-T transmitter black	14814	Power cord Swiss
28178	Ro40 transmitter red	14819	Power cord Australia
18638	R15 transmitter black	14815	Power cord UK
29539	Atlas RPW transmitter	14816	Power cord India
19365	V-ACTOR® HF handpiece set Including V-ACTOR®, V25 and V40 transmitters	14817	Power cord Israel
29742	V-ACTOR V10 transmitter	14818	Power cord Denmark
28740	V-ACTOR V25 transmitter		
28741	V-ACTOR V40 transmitter		
31800	Transmitter box including 9 transmitters (A6, T10, C15, DI15, F15, D20-S, D35-S, D20-T, Ro40)		
28945	PERI-ACTOR® fascia transmitter set including 4 transmitters		
28946	SPINE-ACTOR® transmitter set including 3 transmitters		



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Individual results may vary. Neither DJO, LLC nor any of its subsidiaries dispense medical advice. The contents of this document do not constitute medical, legal, or any other type of professional advice. Rather, please consult your healthcare professional for information on the courses of treatment, if any, which may be appropriate for you.



MEDRAY

SOFTSHOCK

MEDRAY-AW2



- Unique, non-invasive solution
- 3-4 treatments needed at weekly intervals
- About 10 minutes for each treatment session

HIGHLY EFFECTIVE PAIN TREATMENT



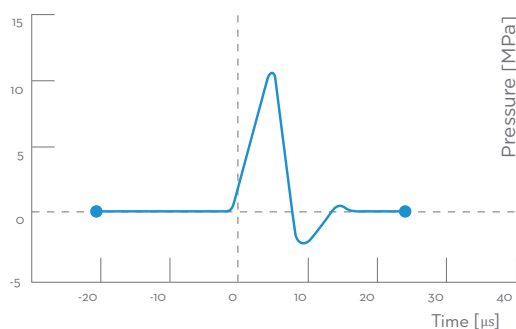
The Medray Softshock 2.0 therapy is new non-invasive solution for chronic musculoskeletal pain. The extra-corporeal shockwave therapy is frequently used in physiotherapy, osteology, and sports medicine. Applications are mostly associated with the treatment of chronic muscular and tendon disorders, and back and cervical pain.

During the therapy, a high intensity acoustic wave interacts with the tissues of the body. This leads to a cascade of beneficial effects including neovascularisation in growth, reversal of chronic inflammation, stimulation of collagen and dissolution of calcium build-up. Stimulation of these biological mechanisms creates an optimal healing environment. As the injured area is returned to normal, functionality is restored and pain is relieved.

The Medray Softshock 2.0 is a powerful and compact shockwave system which supplied with ergonomically shaped applicator with extremely long lifetime.

MECHANISM OF ACTION

The Medray Softshock 2.0 uses the electromagnetic wave effect to produce a mechanical shock wave that can penetrate into human tissues, focusing on the diseased part of the body and passing through. The over focused shockwave acts on the painful part of the body to stimulate healing, tissue regeneration, and repair, thus achieving therapeutic goals.



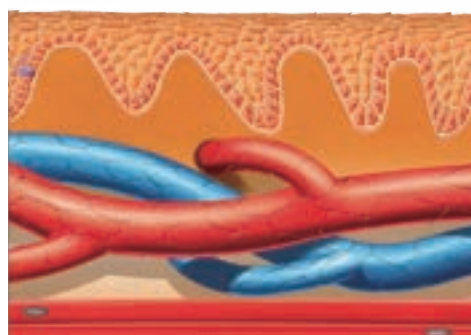
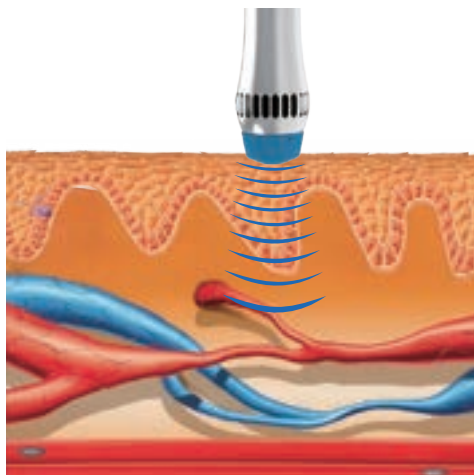
Shockwaves are characterized by jump change in pressure, high amplitude and non-periodicity.



The kinetic energy of the projectile, created by compressed air, is transferred to the transmitter at the end of the applicator.

The production of a sufficient amount of collagen is a necessary precondition for the repair processes to the damaged myoskeletal and ligamentous structures.

The SWT technology accelerates removal of nociceptive metabolites, increases oxygenation and supplies the damaged tissue with a source of energy. It supports removal of histamine, lactic acid and other irritating agents.



MEDICAL EFFECTS

DECREASE OF MUSCLE TENSION
INHIBITION OF SPASMS



- Cavitations effect
- Stimulation of stem cells
- Increase of cell wall permeability
- Dissolving of calcified fibroblasts
- Reduction of unmyelinated nerves
- Energy release at acoustic boundaries
- Enhanced the dispersion of substance P
- Stimulation of microcirculation (blood, lymph)
- Stimulation of growth factors (neogenesis of vessels, bone, collagen)
- Release of nitric oxide (vasodilatation, increased cell metabolism, anti-inflammatory effect)

MOST COMMON INDICATIONS

Indications include: painful shoulder, epicondylitis, low back pain, Achilles tendon pain, tendonitis and trigger points.



Shoulder

Rotator cuff tendinitis & calcific



Muscles

Various trigger points throughout the body



Hip

Trochanteric bursitis



Elbow

Tennis golfer's elbow



Knee

Patellar tendinitis & shin pain



Foot

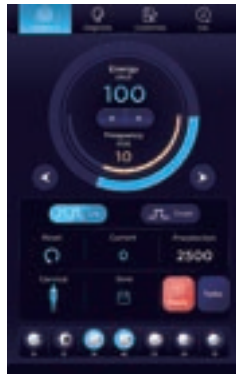
Fasciitis & Achilles

MACHINE FEATURES

Portable and modern stylish, machine net wet 6 KG

Adjustable pressure and frequency. pressure up to 6bars / 210mJ; frequency up to 16 Hz

Multi preset protocols for different treatment



20.98" color touchscreen, very easy to operate

Customer based ergonomic design

Simple operation



Locating painful spots



Delivering shockwaves

SPECIFICATIONS

Product Name	Medray Softshock 2.0
Model No.	MEDRAY-AW2
Shock wave type	Electromagnetic
Switching mode	Pedal switch
Energy	30-210mJ (1-6 BAR)
Frequency	1-16Hz
Working mode	Continuous(multi model for option)
Handle cooling mode	Air cooling
Power source	AC110V 60Hz
Input power	350W
handle lifespan	over 3,000,000 shocks
Therapeutic head	7pcs
Dimension	250*240*310mm
Weight	6kg



Portland Health Supply

Radial Shockwave



The PHS SW is an **electromagnetic** acoustic shockwave device that produces highly effective treatments for a wide range of musculoskeletal conditions.

Unlike pneumatic shockwave devices, the PHS SW produces **radial** shockwaves with electromagnetic acceleration. This eliminates the need for a mechanical air bladder, and improves portability and operational noise.

Electromagnetic shockwaves are produced when a projectile is accelerated towards an applicator creating a cavitation or sound wave. Upon impact, a wave is produced which propagates in radial direction from the applicator, which is why the highest energy and pressures are located directly at the applicators surface.



Portland Health Supply

Radial Shockwave

Intended use:

- to relieve minor muscle aches and pains
- temporary increase in local blood circulation
- activation of connective tissue

www.mayoclinic.org

Potential benefits:

- stimulation of cell permeability, hormones, stem cells, and angiogenesis
- dissolving calcified fibroblasts

www.shockwavetherapy.education

Associated costs:

•According to ChiroEconomics, shockwave therapy is rarely covered by insurance and average fees range between \$75-150 per treatment session.

Contraindications:

- lungs, heart, brain, eyes, and other organs
- wounds, infected areas, skin tumors, open sores, or sutures from recent surgery
- use in the presence of malignant tumor
- in the region of a fetus or pregnant abdomen
- swollen or inflamed areas or skin eruptions
- clotting disorders or unexplained calf pain
- Growth plates



Portland Health Supply

Radial Shockwave

- regions near large nerves, vessels (brachial plexus)
- clotting disorders or unexplained calf pain
- do not use in the presence of unexplained pain
- discontinue immediately if a patient reports significant or unexpected pain
- Directly over corticosteroid injections sites in less than 6 weeks
- NEVER use this device on children, or anyone who cannot give verbal consent or warnings about pain.

www.shockwavetherapy.org

***The vast majority of shockwave manufacturers recommend treating along the full spine, and there are numerous studies examining shockwave efficacy in these areas. None the less, the decision to treat along the spine or in the proximity of organs should be carefully considered by each clinician.

Treatment expectations:

1. Shockwave therapy is a non-invasive treatment option for various musculoskeletal conditions that uses high-energy sound waves to stimulate healing.
2. Before starting the treatment, the patient's medical history should be reviewed, and a physical examination should be conducted to determine the suitability of the treatment.
3. The treatment involves applying a probe to the affected area and delivering shockwaves to the tissue using a machine.
4. The intensity of the shockwaves can be adjusted based on the patient's tolerance and the severity of the condition.
5. The treatment session usually lasts less than 15 minutes, and the number of sessions required depends on the condition being treated. The average amount of visits is 6 with an average frequency of 1-2 times per week. Larger treatment areas may require more visits.



Portland Health Supply

Radial Shockwave

6. The patient may experience mild discomfort during the treatment, but it should not be painful.
7. After the treatment, the patient may experience some soreness, swelling, or bruising, but this usually resolves within a few days.
8. The patient should avoid any strenuous activity or exercise for 24 hours after the treatment.
9. Shockwave therapy is generally safe, but there are some potential risks, including skin injury, nerve damage, and pain.
10. Patients should discuss the risks and benefits of the treatment with their healthcare provider before undergoing shockwave therapy.

Basic Operation:

Insert the three plugs to the matching ports on the back of the console (Figure 3.1). Plug the power cord into a power strip or ac100-240V wall outlet. Press the switch on the back of the console to turn on the system. The software will load for a few seconds, and then a touch screen interface will appear with icons for each joint region. Press the switch on the back of the console to turn off the device when it is not in use.

Treatment Parameters:

Treatment parameters are suggested for each region based on estimated tissue depth. Settings should be recalibrated for each patient based on their pain tolerance. A relative pain rating of less than 5/10 OPS (similar to deep massage discomfort) is usually appropriate. Most patients will tolerate more energy (MJ) than the default settings suggest. Settings can only be adjusted while in this default safety mode.

Increasing the Hz and decreasing the MJ generally reduces discomfort and therapeutic energy. Increasing the MJ and decreasing the generally increases discomfort and therapeutic energy.



Portland Health Supply

Radial Shockwave

The adjustable range of frequency and energy in each mode is as follows:

When frequency is set at 1 - 8Hz, the energy can be set at 60 - 210MJ;

When frequency setting is 9 - 15 Hz, the energy can be set to 60 - 190- (frequency-9) x10 MJ;

When the frequency is set at 16Hz, the energy can be set at 60 - 130 MJ.

Firing Mode:

To transition into treatment or firing mode, press the yellow button in the bottom right corner of the screen. When the button turns red and says “ready,” you can fire the shockwave by pressing the foot pedal. Firing will stop when your foot is removed from the pedal. Only fire the shockwave when it is in contact with the skin of the treatment area. Firing into the air increases the wear on the treatment handle.

Ultrasound gel or coconut oil is recommend over lotion, as lotion may splatter. Lubricant is required because it creates a better surface contact and directs the energy into the tissue rather than the air gaps.

To readjust the settings, simply press the ready button in the bottom corner of the screen to return to safety mode. Once the settings are adjusted, press the button again to return to firing mode.

Attachment Heads:

It is recommended that new providers become acquainted with shockwave therapy by testing sensitivity to the protocols with the 36mm head pre-installed on the device. This attachment head has the widest diameter, and is generally less painful. It is also easier to cover wider treatment areas. As the diameter of each treatment head decreases, the therapeutic energy and discomfort will increase. The 15mm head is most commonly studied in the literature, and arguably most versatile for all regions. The 8mm head is the smallest



Portland Health Supply

Radial Shockwave

and greatest energy concentration. If the target tissue is deep and focal, the 8mm head may be most effective. Alternatively, the **concave** version of the 15mm head focuses the greatest energy a few mm deeper than the convex 8mm head and may achieve better results. There are two protruding head attachments for IASTM that also allow you to push deeper into the soft tissue to reach your target.

Additional resources for shockwave settings and attachments:

www.shockwave.education

Ending treatment:

When the number of shockwaves reaches the pre-selected value of 2500, the first treatment is finished. At this time, the fan will continue to run for up to 5 minutes. You may turn off the device before the fan has stopped, but if the device has been used for multiple sessions it is best to let the fan run for a full 5 minutes. Total shocks per session range from 500 to 5000 in the literature, with most recommendations ranging between 2000-4000 shocks.

Detailed guidelines for shockwave applications and dose:

www.shockwavetherapy.org

Warranty:

This product includes a 4- year comprehensive warranty, and 30 day return policy. All shockwave machines require replacement of moving parts every 2 million shocks, or roughly 2 years. Handles often last much longer than 2 million shocks, however. Our maintenance costs are roughly 50% of other FDA registered brands.



TheraTouch® SW1

Portable Shockwave



The TheraTouch SW1 is Richmar's first radial pressure wave device. This device uses radial pressure waves to deliver a high energy mechanical force to the body's tissue to treat various musculoskeletal conditions. The radial pressure waves are transmitted through an ergonomic handpiece and applicator that can effectively penetrate 35mm into the tissue. Shockwave treatment can help tissue activation, bone healing, reduce muscle aches and pains, increase blood circulation and more.

The TheraTouch SW1 has an intuitive and simple touch screen interface. It offers a wide variety of preset protocols that were carefully programmed according to ISMST (International Society for Medical Shockwave Treatment) Guidelines and clinical testing. In addition to the preset protocols, there is also a manual mode in which users can set their own parameters, choose specific applicators and save custom treatments to a favorites list. The SW1 comes equipped with everything needed to provide effective treatment; including multiple applicators that can be easily switched out depending on the needs of the patient, a sleek carrying case and a rechargeable battery with a three hour battery life, allowing for easy portability and treatment on the go.

FEATURES:

- 11 Preset Body Part Protocols – Wrist, Elbow, Knee, Shoulder, Neck, Thigh, Ankle, Upper Back, Lower Back, Lower Leg and Foot
- Favorites List
- Three Applicator Sizes
 - 15mm, 20mm, 35mm
 - Steel-Round Applicators
 - Compound-Round Applicators (Patients Who Are More Sensitive to Treatment)
- Ability to Measure Energy in Both MJ and Bars
- Trilingual Interface
- Three-Year Warranty

TECHNICAL SPECIFICATIONS:

- **Power Supply:** 100-240V, 50/60Hz, 200VA
- **Lithium-Ion Battery:** DC 22.2V, 2200mAh
- **Frequency:** 1Hz – 22 Hz
- **Energy:** 60 – 185mJ, 1-4 bars
- **Main Unit Dimensions:** 11.46" x 6.69" x 4.78"
- **Handpiece Dimensions:** 10.2" x 4.48"
- **Main Unit Weight:** 4.63 lbs

STANDARD ACCESSORIES:

SW1000-HP	SW1 Handpiece	1
SW1000-HPS	SW1 Handpiece Stand	1
SR15-APP	Steel Round 15mm Applicator	1
CR15-APP	Compound Round 15mm Applicator	1
CR20-APP	Compound Round 20mm Applicator	1
SWAPP-RT	Applicator Removal Tool	1
SWORING95	Shockwave O-Ring 9.5mm	10
SWORING15	Shockwave O-Ring 15mm	10
SWORING20	Shockwave O-Ring 20mm	10
SWORING35	Shockwave O-Ring 35mm	10
DQ8000X	Power Cord	1
SW1BATT	Battery Module	1
USB	User Manual	1

OPTIONAL ACCESSORIES:

SR20-APP	Steel Round 20mm Applicator
SR35-APP	Steel Round 35mm Applicator
CR35-APP	Compound Round 35mm Applicator

ORDER DETAILS:

SW1000	TheraTouch SW1
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WARNING: This product can expose you to chemicals including Lead and Di(2-ethylhexyl)phthalate (DEHP), which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.



Focused Shockwave

A New Revenue Stream + Better Patient Outcomes

WHAT IS FOCUSED SHOCKWAVE?

F-SW therapy is a non-invasive treatment that delivers high-energy acoustic waves deep into targeted tissue to disrupt the tissue matrix and stimulate the body's natural healing responses. It helps increase blood flow, promote tissue regeneration, and stimulate stem cell activity - allowing clinicians to effectively treat chronic musculoskeletal conditions and accelerate pain relief.



THE CHATTANOOGA ADVANTAGE

- **True Focused Shockwave Energy Delivery** - Electromagnetic technology is the latest in F-SW engineering. It delivers precise consistent energy at depth - unlike less focused alternatives.
- **Powered by Storz Medical** - Industry leading Swiss engineering with proven clinical performance and long-term reliability.
- **Proven Over "Trend-Based" Technologies** - Clinically proven and backed by decades of research, with global use in high-level medical settings; not marketing - driven claims.
- **Longer service life and lower maintenance costs** - Compared to electrohydraulic and piezoelectric alternatives.

Common Applications

- Chronic Tendinopathies
- Shoulder Calcifications
- IT Band Syndrome
- Shin Splints
- Myofascial Trigger Points
- Scar Tissue & Fibrosis
- Greater Trochanteric Pain Syndrome
- Chronic Neck & Low Back Pain
- Herniated Disc
- Osteoarthritis
- Partial Tendon & Ligament Tears

Business Benefits

- High Cash-Based Revenue Stream - Typically **\$100-\$175 per treatment**
- Quick Treatments - 5 minute average
- Minimal Consumables
- Increase Your Average Revenue Per Patient
- Increase Your Patient Retention and Referral Network
- Easy to integrate and Operate
- Differentiate Your Practice
- High-Patient Demand
- Treat Chronic Conditions More Efficiently



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ABOUT MEDCOR PROFESSIONALS

MedCOR Professionals is a family-owned medical device distributor committed to delivering exceptional customer support and real clinical results. We go beyond equipment by providing in-depth training, implementation guidance, and ongoing consultation—helping clinics confidently integrate new technologies and maximize patient outcomes & revenue.

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chattanooga®



Intelect® Focus Shockwave

REACH
THE DEPTHS
OF PAIN

INTELECT® FOCUS SHOCKWAVE

Reach the Depths of Pain

Pain can run deep, sometimes leaving the cause just out of reach. The Intellect® Focus Shockwave uses acoustic sound waves to help impact tissue at the surface level down to a therapeutic penetration depth of up to 12.5 cm.⁽¹⁻¹¹⁾

The Intellect® Focus Shockwave generates sound waves via an electromagnetic hand piece with a built-in water buffer, which produces a high-pressure peak energy and generates maximal force at a selected depth.⁽¹²⁾ The acoustic wave positively influences the body's cell functions and intrinsic healing capabilities.⁽¹³⁾

The physiological effects of shock waves on the tissue include enhanced neovascularity, accelerated growth factor release, and stimulation of cellular processes that contribute to tissue healing and regenerations.^(1,3) Focused shock waves are preferably used in the treatment of deep target areas.





KEY FEATURES

Greater Power & Depth
for Better Treatment

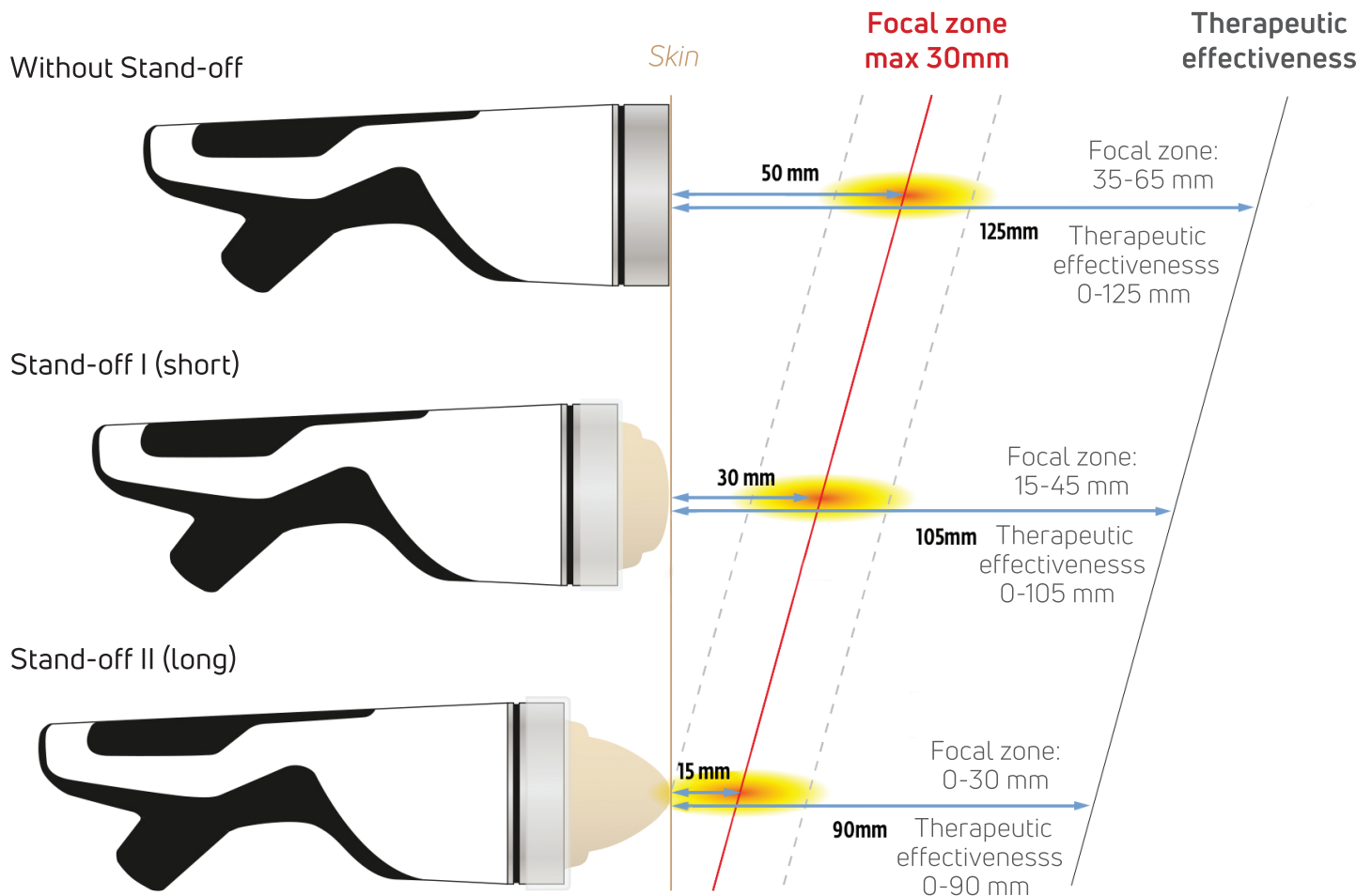
Intuitive & Easy to Use

The device is operated via a large LCD touch screen that displays all essential parameters such as frequency, energy, and total number of applied shock waves. Previously stored and customized treatment parameters can be easily retrieved, preventing the need for repetitive manual navigation to save time for the clinician.

Applicators for Customized Treatments

When treating more superficial tissue, treatment depth can be customized by using one of two stand-offs for optimal placement of the focal zone. The shorter the stand-off head, the greater the penetration depth. The longer the stand-off head, the smaller the penetration depth.

Stand-offs and penetration depths of the F-SW handpiece



TREAT AT DEPTH

Therapeutic penetration of up to 12.5 cm (4.7 in) with an energy range of 0.01 - 0.55 mJ/mm² and a broad frequency range of 1-8 Hz. The efficiency of this modern ESWT device derives from the powerful and individually selectable energy range. The device's shock wave source is equipped with a cylindrical coil and offers a constantly high energy dynamic in the entire focus zone.

Enhanced Energy: 0.01 - 0.55 mJ/mm²

Pulse Counter

Broad Frequency Range: 1 - 8 Hz

Weight - 50 lbs (22.1 kg)



Benefits

- Short treatment time (a few minutes)
- Precise and targeted application
- Results in typically 1-5 treatments⁽⁴⁻⁷⁾
- Non-invasive technology
- Alternative to medication

Recommended Treatment Guidelines

Patient lies prone on the table. The feet are supported on a rolled towel for optimal relaxation of the muscles. Keep the tendon in a slightly stretched position. Treat the specific painful spots in the heel or fascia with the handpiece held still at the most tender spots. Small variations in angle during treatment are recommended.

Education

Access to an online education platform and scientific research library is offered to every Chattanooga® Intellect® Focus Shockwave user.





Three tip configurations help tailor the reach of the Focus Shockwave's treatment area from 0-125 mm below the skin, making it a versatile tool in treating a variety of conditions.

Technical Information

F-SW operating mode: F-SW Single shock, continuous shock 1–8 Hz

F-SW energy selection: In steps from 0.01 to 0.55 mJ/mm²

Mains input voltage: 100 – 240 VAC

Mains frequency: 50 / 60 Hz

Mains fuse: T5AL/250 VAC

Power consumption: Max. 450 VA

Ambient temperature during operation: 10 – 30 °C

Ambient temperature during storage and transport:
0 – 50 °C frost free

Ambient pressure during storage and transport:
500 – 1060 hPa

Ambient air pressure during operating: 800 – 1060 hPa

Air humidity: 5 – 90%, non-condensing

Control device weight: 22.1 kg (48.7 lbs)

F-SW handpiece weight: 590 g (1.7 lbs)

Housing dimensions: (W x H x D) 450 x 165 x 530 mm
(18 x 6.5 x 21")

Classification according to FDA: Class III (FDA)

Protection against the ingress of water: IPX1

Ordering Information

Part Number	Product Description
21090-US	Intelect® F-SW Set including:

Standard Accessories

Part Number	Product Description
19000	F-SW Handpiece set
4600	F-SW Water bag
4700	F-SW, Silicone oil
22601	Ultrasound gel 250 ml (8.5 oz)
13-00061-US	Operating manual
0.0032.012-US	Power cord US
13-27268	Handpiece holder
19100	Stand-off I (Short)
19200	Stand-off II (Long)

Optional Accessories

Part Number	Product Description
4650	F-SW cart
13-26493	Service kit, one coil minimum 1 million shocks



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