PIEZONIA

Redefined Piezoelectric Focus Shockwave

PIEZONIA

A new generation focused Shockwave system for modern rehabilitation and pain management.

Focused Shockwave

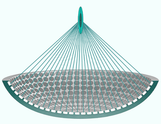
PIEZONIA leverages piezoelectric shockwave therapy, where high-voltage pulses drive piezoelectric crystals to produce precise focused acoustic waves for well-tolerated non-invasive deep-tissue healing of musculoskeletal injuries, pain and tendinopathies.

The Piezoelectric Principle

Piezoelectric focused shockwave technology uses a spherical array of piezoelectric crystals to emit waves simultaneously, converging acoustic energy at a predefined focal point to form a highly concentrated, precise focal zone for targeted tissue treatment.

Unlike mechanically generated shockwaves, it directly converts electrical energy to acoustic energy via crystal activation. This direct focusing optimizes focal zone accuracy and energy density, boosting precision, ensuring stable output, and minimizing off-target energy dispersion for a more controllable, comfortable treatment.

Built on this principle, PIEZONIA delivers exceptional balance of precise focal zone targeting, stable therapeutic output, and superior clinical comfort.



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Piezoelectric

Focused Shockwave

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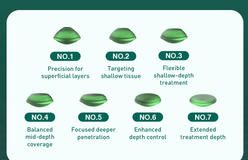
Precise Depth Control with Gel Pads

PIEZONIA utilizes 7 gel pads to enable precise layered treatment. Based on piezoelectric crystal array technology, energy is efficiently transmitted to deeper tissues with a maximum penetration depth of 65 mm. This allows therapists to flexibly adjust focal positioning according to specific body regions and treatment goals, significantly enhancing treatment specificity and control.



7 Interchangeable Depth Pads
Up to 65 mm Penetration Depth

Piezoelectric

Focused Shockwave

Targets Musculoskeletal Injuries, Pain & Tendinopathies.

3 Intelligent Treatment Modes

Continuous Mode: Delivers stable and uninterrupted shockwave output. Frequency remains constant for even energy delivery, suitable for standard treatment.

Suitable for:
Stable output & Direct operation
Routine treatment scenarios
Point-based & dynamic treatment

Ramp Mode: Gradually increases frequency over time, allowing tissue to adapt progressively to higher stimulation levels.

Suitable for:
Gradual frequency increase
Larger or more sensitive areas
Transitioning to higher intensity

Pulse Mode: Alternates between active output and pause intervals, allowing tissue to alternate between stimulation and recovery.

Suitable for:
Sensitive areas or intermittent stimulation
Improved patient comfort
Easier repositioning during pauses

Piezonia's 3 flexible modes let clinicians tailor treatments precisely to patients, tissues, and clinical goals for optimal outcomes and comfort.

Intelligent preset treatment protocols
1-20 energy levels
1-10 Hz frequency range

Advantages of PIEZONIA

Clinical Excellence & Safety
Non-invasive, incision-free and anesthesia-free treatment with precise energy focusing that protects healthy tissue and eliminates scarring/infection risks.

Superior Patient Experience
Delivers excellent comfort with minimal treatment pain, supports immediate weightbearing post-therapy, and ensures a quick recovery process.

Targeted Clinical Value
Boasts a high success rate for chronic conditions and is uniquely ideal for sports medicine and rehabilitation applications.

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Rehabilitation and Pain Management Applications

PIEZONIA can be widely used in rehabilitation medicine, sports medicine, orthopedics, and pain management.

Pulse Mode:
Energy: 12 | Freq: 5 Hz | Pulses: 3000

Combine fixed-point and local gliding to cover main pain area and surrounding tissue.

Ramp Mode:
Energy: 10 | Freq: 1 Hz | Pulses: 2500

Continuous gliding along muscle fibers with fixed-point reinforcement on tight areas.

Range of Indications

Piezoelectric Focused Shockwave · Musculoskeletal System

Chronic musculoskeletal pain is common in clinical practice and often affects mobility and daily activity. With precise focusing, stable output, and a comfortable treatment experience, piezoelectric focused shockwave is widely used as an adjunctive solution for acute and chronic musculoskeletal conditions.

1. Lateral epicondylopathy of the elbow (tennis elbow)
2. Calcifying tendinopathy of the shoulder
3. Medial epicondylopathy of the elbow (golfer's elbow)
4. Myofascial pain syndrome / trigger point treatment
5. Pseudarthroses / stress fractures
6. Greater trochanteric pain syndrome
7. Patellar tendinopathy
8. Medial tibial stress syndrome
9. Plantar fasciitis, with or without heel spur
10. Achilles tendinopathy

and many more...

Indications may vary depending on clinical evaluation and treatment needs.

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Piezoelectric focused shockwave

Piezoelectric focused shockwave excels in precise control, layered treatment, and comfort.

Focusing Principle Comparison	Working Modes
	3 modes: Continuous / Pulse / Ramp
Key Strength	**User Experience**
Precise targeting, stable output, Comfortable Treatment Experience	More refined setup for precise layered treatment
Treatment Depth	**Handpiece Lifespan**
7 interchangeable depth pads, with a maximum penetration depth of up to 65 mm.	5 million shots
Depth Adjustment	**Best For**
Depth adjusted by changing gel pads	Clinics focusing on precision, comfort, and intelligent operation
Frequency	
1–10 Hz	

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Unit Accessories

Technical Parameters

Brand	**Model**
Piezonia	PZO-G1
Depth Pads	**Focal Depth Range**
7 gel pads	0 – 65 mm
Handle Driving Voltage	**Handle Discharge Time**
4.5 kV – 6.5 kV	1 – 2 μs
Work Intensity	**Work Frequency**
1 – 20 levels	1 – 10 Hz
Screen Size	**Handle Lifespan**
13.3 Inch	5,000,000 shots
Operating Modes	**Input Voltage**
3 modes	AC 100 – 240 V
Power Consumption	**Packaging**
⩾ 100 W	495*585*585mm 40KG

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