

INNOPen™

REINVENTING THE FACE OF MICRONEEDLING

The world's most advanced and safe microneedling device perfected by the pioneer of derma needling technology, CRL-Clinical Resolution Lab., Inc.

InnoPen is a medical precision tool with a unique, dual spring-loaded disposable needle cartridge (InnoTip) that uses an automated, vibrating stamp-like motion to cause micro injury to the skin. The gentle stimulation of fibroblast promotes natural induction of collagen and elastin without the stress of pain and lengthy down time associated with ablative treatments. Micro Channels resulting from the needles piercing through the skin layers, aid in infusing therapeutic serums for greater penetration and enhancement of overall efficacy. InnoPen is an ideal choice for non-surgical and non-ablative treatment of various skin conditions.

InnoPen helps

- Intensify trans-dermal delivery for cosmetic, topical, photo aging, platelet-rich plasma (PRP) treatments
- Diminish fine lines and wrinkles
- Rejuvenate skin with comprehensive improvement of skin tone and texture
- Minimize stretch marks
- Restore youth by effectively tightening, lifting and thickening the skin
- Improve the appearance of scars (surgical, burns, acne vulgaris depressions)
- Reduce pore size
- Increase absorption of cosmeceutical solutions
- Deliver visible results painlessly and safely with little to no down time

Why InnoPen? InnoPen is engineered by the master minds of microneedling technology, designed to deliver consistent results with features that display its superior US made quality:

1. *Patented High Speed Motor with Accurate Speed and Power Control*
2. *No Overheating Feature*
3. *Fully Adjustable Needle Depth & Speed*
4. *Ergonomic Design for Effortless Handling.*

Moreover, at the heart of InnoPen is its revolutionary, patented disposable needle cartridge called **InnoTip**. InnoTip is built with Innovative **Double Protective Tip System** that truly surpasses all limits. InnoTip delivers the safest method of microneedling treatment, without the risks inherent in all automated microneedling pens/devices that use single-wall **open tip** needle cartridges.



INNOPen™

SPECIFICATIONS



InnoPen

Function	Microneedling Device
Input Power	5V = 1A
InnoPen™ Dimensions	H: 5.4 in
InnoPen™ Weight	97g w/Tip - 93g w/o Tip
Needle Depth	0 to 2.0 mm

InnoTip

Function	Microneedling Cartridge
InnoTip™ Dimensions	H: 1.7 in • D: 1 in
InnoTip™ Weight	4.12g
Needle Depth	0 to 2.0 mm

InnoPen ADAPTOR SPECIFICATIONS

Product reliability	- 2000 hrs at 25°
Storage temperature	- 40° to 85°C
Storage humidity	- 0% to 90% RH
Operating temperature	- 0°C to 35°C

ADAPTOR RATING

Input:	- AC 100 - 240V
Frequency:	- 50/60 Hz
Output:	- DC 5-6V

Manufactured by Clinical Resolution Lab., Inc.
Brea, CA 92821 • www.clinicalresolution.com

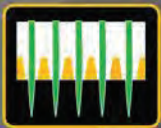
INNOTip™

Innovative Double Protective Tip System

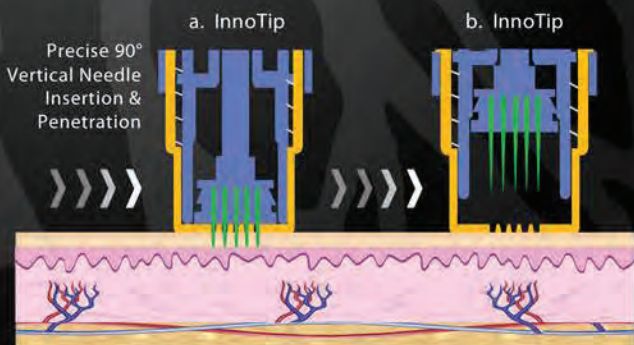


- Superior USA Made Quality
- Patented Needle Cartridge
- Enclosed Needle Tip Design
 - Truly Accurate Penetration Depth
 - Even Distribution of Pressure Applied to Needling Area
- Dual Clearance Tip Assurance
 - Requires Perfect Centering, Precise Spacing and Vertical Line Uniformity of All Needles to Pass Through the Enclosed Outer Tip Openings and Double Walls

- On/Off Needle Motion Control at the Tip
 - No Tearing of Skin
 - No Scratching with Lateral Movements

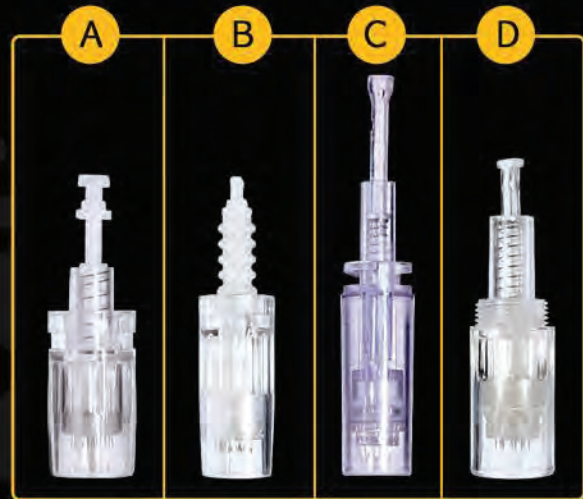


- Precise 90° Vertical Needle Insertion & Penetration
- No Cross-Contamination
- Self-Detection Feature
 - InnoTip Will Not Operate if Any Needle is Bent or Misaligned
- 100% Contaminant Free (γ-Gamma Sterilization)
- All Medical Grade Components
 - GE Lexan Polycarbonate Resin Plastic
 - SUS 316 Surgical Stainless Steel Needles

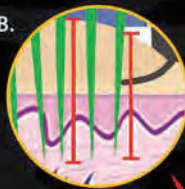


VS

Other Needle Cartridges

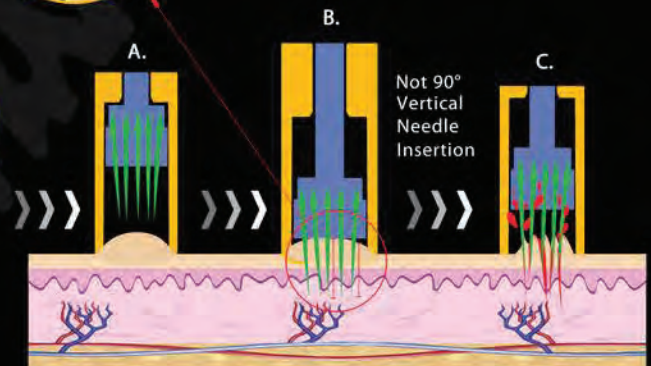


- A.
- Open Needle Tip
 - * Warrants Inaccuracy of Needle Penetration Depth
 - Causes Skin to Bulge Up as the Tip Presses Down
 - Needles are Inserted into Skin at Uneven Height
 - Causes Variance Between Desired Depth vs. Actual Penetration Achieved
 - * No On/Off Needle Tip Control
 - Causes Tearing when the Device is Moved while the Needles are Still Inserted in the Skin
 - Scratches the Skin when the Needles are Dragged Across the Surface in Lateral Movement
 - * No Self-Detection of Defective Needles
 - * Off Centered, Slightly Slanted Needle Positions, Non-Surgical Needles and Uneven Needle Lengths are Common Attributes of Other Needle Cartridges
 - * Not Made in USA
 - * No Proof of Medical Grade Components
 - * Poor Packaging Not Safe Enough to Ensure 100% Sterility



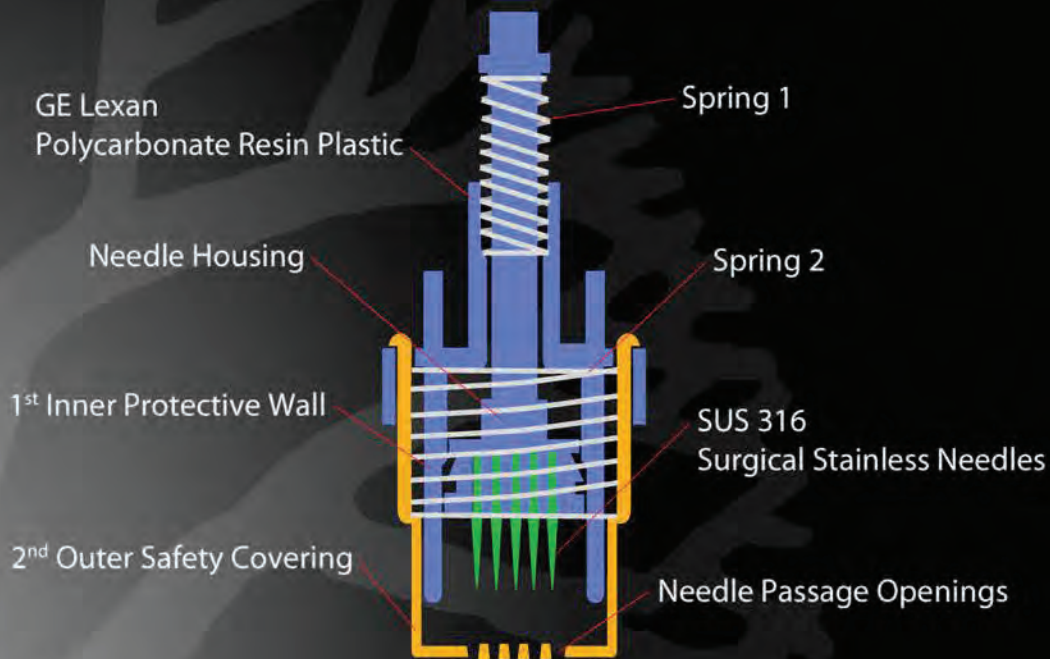
Other Needle Cartridge

VS



INTRODUCING InnoTip

Double Protective Tip System



At the heart of InnoPen is its revolutionary, patented disposable needle cartridge called InnoTip. Distinctively engineered by Clinical Resolution Lab, Inc., InnoTip delivers the safest method of treatment with innovative technology that eliminates negative risks inherent in all automated microneedling pens or devices that use single-wall open tip needle cartridges.

InnoTip is a precision apparatus designed with Double Protective Tip System that consists of an inner protective wall and the outer safety covering made of sterile, medical grade GE lexan polycarbonate resin. These protective layers allow 0% tolerance for error; requiring perfect centering, precise spacing and meticulous uniformity in vertical lining of the needles.

The first 'inner' protective wall is built-in tightly around the needle housing that holds thirteen SUS 316 surgical stainless needles. It serves to prevent the needle housing from shaking and becoming off-centered due to flux of vibration caused by the device's motor exerting power during the stamping motion. Common attribute of the needle housing found in all single-wall needle cartridge is that it is loosely suspended in between the wall. Hence lacking the support to hold it firmly to prevent from shaking or vibrating as the needles pierce through the skin layers in fast stamping motion. Consequently, it leads to slanted needle insertion which induces micro-tearing of skin's inner layers and epidermal scratching.

The second 'outer' safety covering is unlike any of the open tip needle cartridges available in the market today. It is completely enclosed with only the thirteen passage-openings. All needles must pass through these tiny holes before they perforate the skin. The outer tip is designed to detect any deformity and/or misalignment of the needles. If the needle is bent or out of position, it will lock up and the InnoTip stops operating. This ensures accurate 90° vertical needle penetration with every stamping motion but more importantly, patient safety.

Enclosed outer safety tip also enables even distribution of pressure applied to the needling area. The enclosed cover keeps the skin taut and even-leveled during the treatment to allow consistent accuracy in needle penetration depth. In comparison, the open needle tip causes the skin to 'bulge up' as it presses downward onto the skin. As a result, the needles are inserted at an uneven height. Open needle tip forces the user to manually manipulate the hand pressure applied to the device during the procedure which can lead to considerable variance between the desired depth versus the actual depth of penetration.

The Dual-Spring System is another unique feature of InnoTip that allows the user to have full control over the needle motion. In contrast to competitor's device where the only way to stop the needle movement is by completely shutting off the device, InnoTip offers On/Off control right at the tip. No need to push any buttons or twist anything, simply release the hand pressure applied to InnoTip and the skin needling stops immediately. To turn on, gently press down and the needle will resume its stamping action. The ability to control needle movement throughout the course of treatment eradicates potential risks associated with common disposable tips. On the contrary, the erroneous practice of dragging the open tip while the needles are still in motion results in epidermal scratching.

In essence InnoTip offers effortless perfection that truly surpasses all limits by taking the microneedling technology to another dimension.

InnoTip PROTECTION

- Patented Needle Cartridge
- Superior USA Made Quality
- Enclosed Needle Tip Design
- Truly Accurate Penetration Depth Control
- Even Distribution of Pressure
- Double Wall Clearance Assurance
 - * Perfect Centering
 - * Precise Spacing
 - * Vertical Line Uniformity
- On/Off Needle Motion Control at the InnoTip
- No Micro Tearing of Skin
- No Epidermal Scratching
- No Cross Contamination
- 100% Contaminant Free (γ -Gamma Sterilization)
- All Medical Grade Components
 - * GE Lexan Polycarbonate Resin Plastic
 - * SUS 316 Surgical Stainless Steel Needles



www.bossmedical.ca

info@bossmedical.ca