

# PICOLASE PICOSECOND LASER THERAPY SYSTEM

Model: PS-Pro 450



## ADVANCED TECH

Cutting-edge laser technology for precise, efficient, and high-performance treatments.

## MADE IN CANADA

Proudly manufactured in Canada with strict quality and safety standards compliance.

## 3-YEAR WARRANTY

Reliable coverage ensuring performance, peace of mind, and customer satisfaction.

## REASONABLE PRICES

High-quality skincare medical devices at competitive prices to maximize your investment.

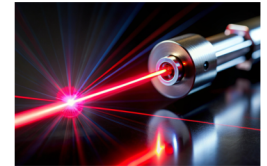
<https://stellarcell.ca>

Stellar Cell Technologies Corp.

*Results You Can See. Confidence You Can Trust.*

## INTRODUCTION TO PICOSECOND LASER SYSTEMS

**Laser technology** has revolutionized the field of aesthetic and medical skincare, offering effective treatments for various skin conditions. Different types of laser systems are used in medical devices, each designed to target specific skin concerns.



**Picosecond lasers** represent a major advancement in aesthetic and dermatological laser therapy. Ultra-short pulse shatter pigment particles with minimal thermal damage to surrounding tissue. The key advantages of picosecond lasers are: **Superior Ink Clearance:** Photoacoustic shockwaves mechanically fragment ink particles more efficiently than thermal-based systems. **Reduced Side Effects:** Less epidermal heating means fewer complications and happier clients. **Versatile & Effective:** Optimal for multicolor tattoos and all skin types (Fitzpatrick I-VI).



Unlike traditional nanosecond-pulsed Q-switched lasers such as Nd:YAG or Alexandrite systems, picosecond lasers offer significantly faster results and reduced downtime.

### Picosecond lasers are optimized for:

- ✦ Multi-coloured tattoo removal, including resistant blues and greens
- ✦ Epidermal & dermal pigmented lesions (lentigines, sunspots, melasma, freckles)
- ✦ Skin rejuvenation and texture improvement (tone balancing, pore minimization)
- ✦ Acne and surgical scar treatments
- ✦ Fine lines and wrinkles
- ✦ Post-inflammatory hyperpigmentation (PIH)
- ✦ Skin brightening for dull or uneven complexions



# THE CRITICAL ROLE OF HIGH-QUALITY COMPONENTS IN STELLAR CELL SKINCARE LASER MEDICAL DEVICES

## Introduction

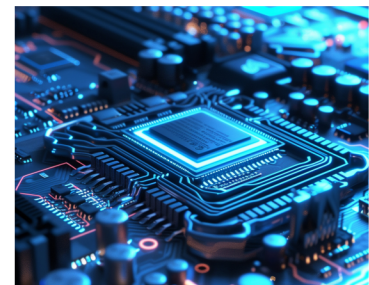
In the field of medical aesthetics, skincare laser devices play a pivotal role in delivering effective treatments for hair removal, tattoo removal, skin rejuvenation, and other dermatological procedures. However, not all laser devices are created equal. The quality and precision of each component directly impact the safety, performance, and longevity of the device. Investing in a premium-quality laser system is essential for both practitioners and patients, ensuring optimal results while minimizing risks. Below, we examine the key components that define a superior skincare laser device and why cutting corners on quality can lead to serious consequences.



## Key Components of a High-Quality Skincare Laser Device

### 1. Laser-Generating Component

The heart of any laser device is its laser-generating module. High-quality laser diodes or solid-state lasers ensure precise wavelength output, optimal energy delivery, and long-lasting performance. Inferior laser sources may degrade quickly, lose power, or produce uneven energy distribution, leading to ineffective treatments and potential harm to the patient's skin.



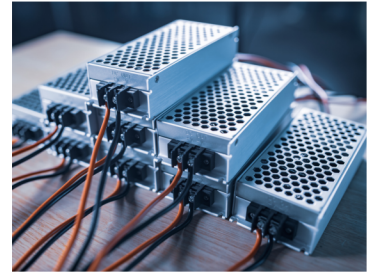
### 2. Advanced Software Control System

The software that controls a laser device is just as critical as its hardware. A well-designed interface with intelligent algorithms ensures precise energy calibration, customizable treatment settings, and seamless user experience. Substandard or poorly programmed software can lead to unpredictable energy output, increasing the risk of burns, inconsistent results, or device malfunctions.



### 3. High-Precision Power Supply

The power supply is fundamental to the stability and efficiency of a laser device. A high-quality power source provides consistent and controlled energy, preventing fluctuations that could compromise treatment outcomes. Devices with inferior power supplies may experience overheating, inconsistent performance, and premature failure, leading to costly repairs or replacements.



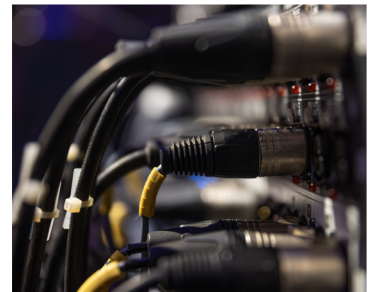
### 4. Superior Cooling System

Thermal management is crucial in laser systems to prevent overheating and ensure device longevity. Advanced cooling technologies, such as TEC (thermoelectric cooling) or high-efficiency liquid cooling systems, maintain optimal operating temperatures. Poorly designed cooling mechanisms can result in rapid component degradation and increased downtime due to overheating issues.



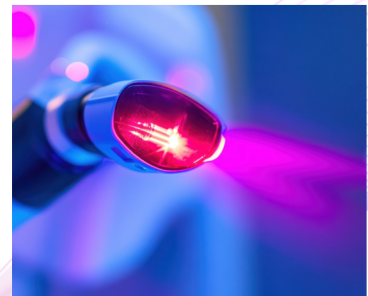
### 5. Medical-Grade Wiring and Connectors

Even the smallest details, such as wiring and connectors, must meet stringent medical-grade standards. High-quality, shielded wiring ensures stable electrical connections, reducing the risk of power surges or short circuits. Low-quality wiring can lead to electrical failures, posing serious safety hazards for both operators and patients.



### 6. Precision Optics and Beam Delivery System

Optical components, including lenses, mirrors, and fiber optics, determine the accuracy and efficiency of the laser beam. Premium-quality optics ensure optimal energy transmission and precise targeting, reducing collateral damage to surrounding tissues. Inferior optical components may result in beam distortion, reducing treatment efficacy and increasing the likelihood of adverse effects.



## 7. Durable Housing and Ergonomic Design

A well-engineered device should have a robust, medical-grade housing that withstands rigorous clinical use. Ergonomics also play a role in ensuring ease of operation, reducing strain on practitioners, and enhancing user experience. Devices with poor build quality may suffer from mechanical failures, affecting reliability and safety.



## Why Choosing Quality Over Cost Matters

While lower-priced laser devices may seem like a cost-effective option, they often come with compromised quality, leading to frequent breakdowns, higher maintenance costs, and potential safety risks. Inferior components can result in inconsistent performance, reduced lifespan, and suboptimal treatment outcomes. In contrast, investing in a premium-quality device ensures:

- **Enhanced treatment efficacy** through stable and precise energy delivery.
- **Increased patient safety** by reducing the risk of burns, skin damage, and electrical hazards
- **Longer device lifespan**, minimizing downtime and costly repairs.
- **Regulatory compliance**, ensuring adherence to medical device safety standards.

## Why Choose PICOLASE Picosecond Laser Systems

- ★ Fast, effective results with fewer sessions
- ★ Comfortable treatments with advanced skin protection
- ★ Clinically validated performance for aesthetic professionals

## STELLARCELL® EXTENDED WARRANTY

We stand by the quality and durability of our medical devices, offering a **3-year warranty** on the main device for your confidence and protection. Our commitment to excellence means you get a device that is built to last, with full support throughout its lifecycle.

This extended warranty ensures that your investment remains secure, covering potential manufacturing defects and performance-related concerns. In addition, our expert customer service team is always ready to assist with troubleshooting, maintenance, and technical support.

Choose reliability—our devices are backed by industry-leading warranty coverage for your clinic's long-term success.

Contact us about the Stellar Cell Warranty specifics.



<https://stellarcell.ca>



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## PICOLASE PICOSECOND LASER THERAPY SYSTEMS TECHNICAL SPECIFICATIONS

Laser Type	Picosecond Laser (PS-Pro 450)
Laser Wavelength	1064 nm & 532 nm
Treatment Heads	2 pcs
Frequency	1 – 10 HZ
Energy	10 – 500 mj/cm <sup>2</sup>
Pulse Width	450 ps
Spot Size	2 – 10 mm
Light Beam Transmission	Balance Weight Arm, transmission power more than 95%
Indicator Light	Red Diode Laser Aiming Light, wavelength 650 nm
Cooling System	Cooper-fin Fan + Water
Program Language	English & Other Languages
Machine Dimensions	100 x 41 x 98 cm
Package Dimentions	106 x 59 x 125 cm
N.W.	67 kg
G.W.	130 kg
Packing	Alluminium Alloy Case
Voltage	110 V

## WHY CHOOSE STELLARCELL®?

Stellar Cell Technologies is committed to excellence, ensuring that all its medical devices meet the highest industry standards by incorporating premium-quality components, state-of-the-art software, and precision engineering, providing practitioners with reliable, safe, and highly effective laser systems.

Every system we offer is the result of precision engineering and clinical research. Whether you're treating pigmentation, scars, or unwanted hair, our technology gives you the control, confidence, and consistency to deliver exceptional outcomes.

### **Health Canada Approved**

Certified with Health Canada Medical Device License (MDL) for safety, reliability, and compliance.

### **Premium Quality Parts**

Manufactured using premium-quality components to ensure durability and superior performance.

### **Advanced Laser Technology**

Delivers precise, efficient, and effective treatments with the latest laser technology innovations.

### **Eye-Catching Design**

Modern, sleek aesthetics that enhance your clinic's professional appeal and pleasant ambiance.

### **Safe & Effective**

Perfectly designed for optimal patient safety, delivering consistent, high-quality treatment results.

### **User-Friendly Interface**

Intuitive software controls and smart features for easy operation and seamless user experience.



**Health Canada  
Medical Device Licence**