

JUVENTAS




AXICON
TECHNOLOGIES

PRINCIPLE

A state-of-the-art picosecond laser system employs cutting-edge technology to emit ultra-short pulses of light within picosecond durations. Its swift switching capacity enables the delivery of high-intensity energy, rendering it exceptionally effective across a spectrum of applications, notably within medical and aesthetic domains.



Juventas, a Picosecond Laser machine, presents numerous benefits in both aesthetic and medical practices.

WAVELENGTHS

The Juventas Picosecond Laser system offers a versatile approach with two distinct wavelengths: 532nm and 1064nm.

532nm Wavelengths

Positioned within the green spectrum of visible light, the 532nm wavelength efficiently targets red, orange, and brown pigments in the skin. This makes it ideal for addressing vascular lesions, red or brown spots, and specific tattoos containing these hues.

Additionally, this wavelength is employed in skin rejuvenation treatments to target pigmented lesions selectively and stimulate collagen production, promoting smoother, more uniform skin texture.

1064nm Wavelength

Falling within the near-infrared spectrum, the 1064nm wavelength exhibits reduced absorption by melanin, thus expanding its applicability to a broader range of skin types, including darker skin tones. This wavelength proves effective for tattoo removal and addresses various skin concerns such as pigmented lesions, age spots, and specific vascular lesions.

The Juventas system's dual deployment of 532nm and 1064nm wavelengths ensures a comprehensive solution for diverse beauty treatments, delivering exceptional outcomes across varying skin types and conditions.



WHY PICOSECOND?

Juventas, a Picosecond Laser machine, presents numerous benefits in both aesthetic and medical practices:

Swift Treatment Sessions

Thanks to its ultra-short picosecond pulses, Juventas enables quicker treatment sessions compared to conventional lasers, resulting in shorter appointment times for patients.

Diminished Discomfort and Recovery Time

Picosecond technology minimizes discomfort and downtime by generating less heat during procedures, reducing the potential for discomfort and side effects.

Adaptability to Various Skin Types

Juventas proves effective across a diverse range of skin types, including darker pigmentation, broadening the scope of patients who can benefit from its treatments.

Safety and Effectiveness

Juventas's advanced technology ensures a high standard of safety and efficacy, particularly when administered by trained professionals.

Lowered Risk of Adverse Effects

With its shorter pulse duration, Juventas reduces the risk of collateral damage to surrounding tissue, thus minimizing potential side effects such as hyperpigmentation or scarring.

Enhanced Patient Satisfaction

The combination of faster results, reduced discomfort, and versatile treatment options frequently leads to heightened patient satisfaction rates.

Juventas signifies a significant leap forward in aesthetic and cosmetic procedures, offering efficient and reliable solutions for a wide array of skin concerns.



INDICATIONS

The Juventas Picosecond Laser serves as a versatile tool in both aesthetic and medical realms, with beauty treatment indications that encompass

Tattoo Removal

Efficiently breaks down tattoo ink particles, facilitating swift and effective tattoo fading.

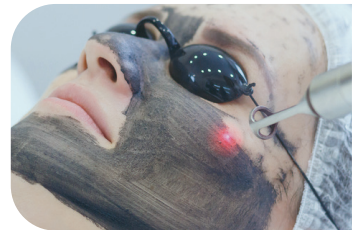
532nm: Particularly adept at targeting red, orange, and brown ink in tattoos, as the 532nm wavelength is highly absorbed by these hues.

1064nm: Suitable for all tattoo colors, including darker inks, due to its deep penetration and lower melanin absorption.



Pigmented Lesions

Targets a spectrum of pigmented lesions such as age spots, freckles, and birthmarks by focusing on melanin in the skin.



Skin Rejuvenation

Stimulates collagen production, refining skin texture, diminishing fine lines, and promoting a more youthful visage.



Acne Scar Reduction

Aids in minimizing the visibility of acne scars through collagen remodeling and skin regeneration.



Sun Damage Repair

Addresses sun spots and hyperpigmentation resulting from extended sun exposure, fostering a more uniform skin tone.



Melasma Treatment

Assists in reducing the appearance of melasma, characterized by patches of hyperpigmentation.

Vascular Lesions

Targets vascular lesions like spider veins and broken capillaries by honing in on hemoglobin.

Freckle and Age Spot Removal

Targets specific pigmented spots caused by sun exposure or aging, resulting in a more even skin tone.

Wound Scar Treatment

Improves the appearance of scars, including surgical scars, by encouraging collagen remodeling.

HANDPIECES



Main Feature: Precision Head

Customizable Range: 2 to 10mm, adjustable in 1mm increments

Modes Available: Picosecond (1064nm, 532nm)

Long Pulse (1064nm), Neo Innovation (1064nm, 532nm)



Optional Cellular Handpiece:

Circular Shape, Diameter: 14mm

Modes Available: Picosecond (1064nm, 532nm)

Neo Innovation (1064nm, 532nm)



Optional Fractional Handpiece:

Contains 49 fractional dots within a 7x7mm area

Modes Available: Picosecond (1064nm, 532nm)

Neo Innovation (1064nm, 532nm)



Optional 650 Dye Handpiece:

Operates at a repetition rate of 1Hz

Spot size: 2mm

Modes Available: Picosecond 532

Neo Innovation 532



Optional 585 Dye Handpiece:

Operates at a repetition rate of 1Hz

Spot size: 2mm

Modes Available: Picosecond 532

Neo Innovation 532

SPECIFICATIONS

LASER TYPE	Picosecond, ND:Yag
MACHINE POWER	1300W
LASER OUTPUT SYSTEM	Hammer type 7-joint Picosecond laser arm
WAVELENGTHS	532nm & 1064nm
PULSE WIDTH	Picosecond: 2000ps - Long Pulse: (Single: 500-500us / Multi: 100-300us)
ENERGY	Picosecond: (Q1064nm: 80 - 800mj / Q532nm: 40 - 400mj / PTP1064nm: 80 - 1600mj / PTP532nm: 40 - 800mj / Neo Innovation: 80 - 2400mj) - Long Pulse: (Single: 1 - 30j / Multi: 200 - 3000mj)
SPOT SIZE	2-10mm
FREQUENCY	Picosecond: 1 - 10Hz / Long Pulse: Single(1Hz) - Multi (1 - 10Hz)
COOLANT	Distilled - Purified water
COOLING SYSTEM	Wind cooling + Water cooling
SCREEN	15.6" Colored touch screen
POWER SUPPLY	AC220V±10% 50Hz / AC110V±10% 60Hz
NET WEIGHT	84Kg
GROSS WEIGHT	126Kg
MACHINE SIZE	92*31*176cm
PACKING SIZE	108*50*127cm





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