"Rich-PTP™ Technology shatters targeted chromophore and maximizes PhotoAcoustic effect. In consequence, That satisfies patients with higher aesthetical result based on the most powerful energy."

EAM™

The Most Advanced and Advantageous Features of Q-Switched Nd:YAG Laser

Jeisys Medical Inc.

Jeisys Medical Inc., a worldwide medical device manufacturer produces high-end products for plastic surgeons, dermatologist, physicians, and healthcare professionals. Jeisys serves the industry as one of the leading companies with rigorous R&D level and valuable experience. Jeisys products are being globally marketed by overseas offices and world-wide distribution partners.

TRI-BEAM™

Laser Parameter

Laser Medium	Nd:YAG (Q-Switched)		
Operating Parameters	Q-Switched and Quasi-Long Pulse		
Wave Length	1064/532nm		
Energy at end of Handpiece			
Q-Switched	Top Hat mode	1064 nm	1.6 Joule/double pulse
	Gaussian mode	1064 nm	1.5 Joule/pulse
		532 nm	500 mJoule/pulse
Quasi-Long Pulse		1064 nm	3.5 Joule
Maximum Pulse Energy Density at:			
Q-Switched	Top Hat mode	1064 nm	22.6J/cm² @ 3.0mm spot size
		532 nm	7.0J/cm² @ 3.0mm spot size
Quasi-Long Pulse		1064 nm	12.3J/cm² @ 6.0mm spot size
Pulse Width			
Q-Switched	5 - 10ns		
Quasi-Long Pulse	300us		
Repetition Rate	single shot, 1~ 20Hz(pulses per second)		
Beam Profile	True Flat-Top Hat		
Energy Calibration	External		
Spot Sizes (Auto Sensing)	Zoom Handpiece	1064 nm	2mm~10mm
		532 nm	2mm~10mm
	Collimator Handpiece		6mm
	Fractional Handpiece (optional)		5mm X 5mm(81spots)

Physical Parameters

Electrical Power	220 V, Single Phase, 50/60Hz, 20 Amps at 220V AC
Weight	110kg
Dimensions (W×D×H)	790m(H) × 310m(W) × 690mL) without articulated arm
Beam Delivery	Articulated arm with up to 240cm reach, 7-joint, 360° rotation
Cooling	closed cycle water to air heat exchanger

Jeisys

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TRI-BEAM™

Jeisys

New definition for performance and effectiveness of Q-Switched Nd:YAG laser

"TRI-BEAM is the best choice of achieving the ideal results of all targets by every Q-Switched Nd:YAG Technology on earth."

Gen Technique™ by using Quasi-Long Pulse

Quasi-Long Pulse(Pulse width 300us) 1.064nm Gen Technique™ is functional combination of thermall lifting and toning by using fundamental of selective photothermolysis. Gen Technique™ is not only good for pigmentation lesions, but also useful treatment for general skin rejuvenation of reducing large pores and skin lifting.

Gen Technique™

To express meaning of the new genesis of skin rejuvenation for skin re-born, root 「Gen」 is used which does have meanings of birth, cause, and race.

It is also the target objective of TRI-BEAM treatment technique.

Gen Technique™ for photorejuvenation is the new paradigm of laser technology that brings the better efficacy for large pore, peeling and lifting by destroying deep pigmentation and regenerating collagen.

Lifting and toning by using fundamental of selective photothermolysis. Gen Technique™ is not only good for pigmentation lesions, but also useful treatment for general skin rejuvenation of reducing large pores and skin lifting.

TRI-BEAM™
Q-Switched Nd:YAG Laser

2 Pulse 20Hz Toning

Rich-PTP™ Technology

Rich-PTP(Photoacoustic Therapy Pulse)™ is a unique technology of TRI-BEAM and has accomplished the best clinical efficacy that non of other Q-Switches Nd:YAG machines has ever made.

Particularly, Rich-PTP™ Technology shatters targeted chromophore and maximizes PhotoAcoustic effect.

In consequence, Rich-PTP™ Technology satisfies patients with higher aesthetical result based on the most powerful energy. TRI-BEAM has meets the laser toning requirements such as advanced high peak power and short pulse duration.

Substantial use of Q-Switched 532nm

532nm Q-Switched Nd:YAG is able to remove pigmentation on the epidermal area. Especially, TRI-BEAM allows you to treat the area fast with large spot size. Also, you can use this for skin whitening and toning by eliminating lesions on the epidermis by 532nm with powerful energy.

2 Pulse/ 20Hz/, Powerful Rich-PTP™ Toning

2 PULSE   **UP TO 20Hz**

≫ Fast and effective treatment

2 pulse of TRI-BEAM delivers more efficacy and minimizes the adverse effects for Melasma treatment.

1 Pulse, 10Hz	2 Pulse, 10Hz	2 Pulse, 20Hz

20Hz of 2 pulse energy makes faster and safer treatment than current laser toning devices.

≫ Prevention of reoccurrence of melasma

The True Flat-Top mode delivers stable 2 pulse of 20Hz. It prevents to reoccur melasma and reduces adverse effects such as PIH (Post Inflammatory Hyper-pigmentation).

≫ True Flat-Top Beam Profile

True Flat-Top (Homogenized) beam mode with multi high reflection mirror minimizes any damages on the epidermis.

TRI-BEAM Beam Profile

≫ Efficacies expected on skin tightening, reducing pore, and skin rejuvenation

2 pulse of 20Hz stimulates fibroblasts and gives effective anti-aging results including skin tightening, pore reducing, peeling, lifting and skin rejuvenation.

Benefits and Satisfaction

Minimizes operating costs for the physician:
Quick treatment by larger spot size and faster shot speed
Safely treats all skin types
Low maintenance, minimum consumables

Satisfied patients have benefitted from:
Versatile treatment option
Minimal patient discomfort
Minimal downtime post procedure

User Friendly System Architecture

Wavelength (nm)

532   1064

Epiderma
Derma
Hypoderma

Depth of Penetration in the Skin

Dual Wavelength, Multiple Operating Mode
Dual wavelengths of 1064nm and 532nm
Multiple operation modes of Q-switched(1064nm, 532nm) and Quasi-Long(1064nm) provide various treatments for users and patients.

Variable Spot Sizes Auto-detected Handpiece
Adjustable spot size from 2m to 10mm makes you be able to treat ideally and freely in any condition.

Variable Spot Sizes Auto-detected Handpiece

Zoom Collimated Handpiece
Faster and comfortable treatment with zoom collimated handpiece.
Excellent application on laser toning treatment.

Very Fast Treatment Times
Fast treatment time with shot speed of up to 20Hz.

AUTO-DETECT

Jeisys

Application

Epidermal and Dermal Pigmented Lesions

Tattoo Removal

Non-Ablative Skin Rejuvenation

Non-Ablative Skin Resurfacing

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