



Check!

Important Points to Consider When Choosing a Laser



1 Which laser should you choose?

A Rather than choosing the type of laser, consider at what stage of the treatment and on which part of the treatment area you want to use the laser. Each device has its own shape and characteristics, so it's important to choose a device that fits the specific treatment you want to perform.

2 Is there a demand for laser treatment in my dental clinic?

A Laser treatment is not just for specialized procedures but is an extension of traditional treatments. It can be used in many cases, not just by specialist doctors but also by general practitioners (GPs).

3 How user-friendly is it?

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A Incorporating laser treatment into your current practice doesn't require a major overhaul of your clinical system. Laser devices are easy to move and quick to start up, so you can seamlessly integrate them into your current treatments without stress. Additionally, since lasers are medical devices, as long as the doctor becomes proficient in their use, there should be no issue. Your staff members just need to have a good understanding of safety and the types of treatments for which the laser will be used.

5 Is the after-sales service system comprehensive?

A The Impulse Dental Laser is developed and produced in the United States and imported and distributed by Incisive Japan Corporation. While laser devices are built to withstand long periods of use with relatively few malfunctions, you can rest assured that, in the unlikely event that maintenance is required, Incisive Japan has highly trained specialized staff to ensure reliable maintenance and repairs. We also provide ongoing updates and information through seminars and other means to keep you informed about usage.

The main clinical applications

① Application to periapical lesions (NAMETAME method)



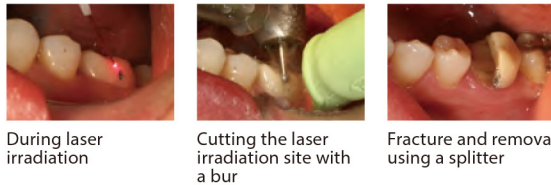
② Application to gingivitis



③ Application to oral mucosal hemangiomas



④ Application for the removal of zirconia restorations



Primary Specifications

Name	Impulse dental laser
Main laser light	Nd:YAG laser
Wavelength	1064nm
Output	Maximum 6W
Laser guide light	Semiconductor laser
Pulses/second	5~100Hz (pps)
Pulse energy	20~200 Millijoules (mj)
Rated voltage	Single-phase 100VAC
Frequency	50/60Hz
Power consumption	800W (Current 8A)
Dimensions	W 324 x D 343 x H 983 (mm)
Weight	20.4kg
Protection against electric shock	Class I • B type
Medical device approval number	21700BZY00507000
Equipment classification	Advanced controlled medical equipment, Specific maintenance management equipment (installation)

Operating environment	During usage	When Moving / Storing
Temperature	10~40°C	10~60°C
Humidity	30~75%	10~100%

※ Do not allow freezing or condensation.

PULSED ND:YAG LASER SYSTEM

INPULSE



Dimensions



Accessories

※ The specifications may be changed without a notice



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INPULSE

Pulsed Nd:YAG Laser System

Neo



With laser-based treatment, you will always have a comfortable lifestyle with your own teeth!

In order to live a fulfilling lifestyle, it is essential to create a healthy oral environment. In recent years, there has been a growing recognition that oral therapy is not a concept of treating diseases only in the oral cavity, but is also closely linked to systemic diseases. The mouth is the entrance to the whole body. In order to remain lively even as we age, chew on the taste of food, and live a quality life forever, it is necessary to properly maintain the mouth, teeth, and surrounding tissues that support it, regular checkups, and prevention. Impulse dental lasers have been recognized as effective instruments to support them.



More than 30 years have passed since dental laser treatment was introduced to Japan, the field of safe and effective treatment has expanded in recent years by combining laser and specialized dental procedures.

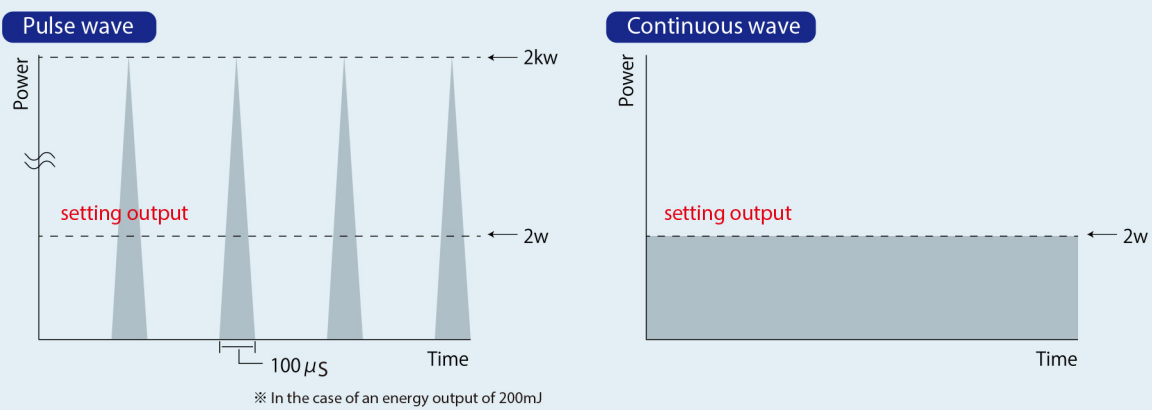
The Nd:YAG laser for safe and effective treatments

There are different types of laser devices, each with its own characteristics. The Nd:YAG laser is absorbed by black pigments like hemoglobin and melanin in the blood and converted into heat. The pulse oscillation system (which instantaneously repeats high-power irradiation) has been developed so that this laser can be safely used in therapy. Pulse oscillation systems play an important role in the safe use of high output energy. The characteristics of this light and the oscillation system enable safe and efficient hemostasis, coagulation, transpiration, and incision.



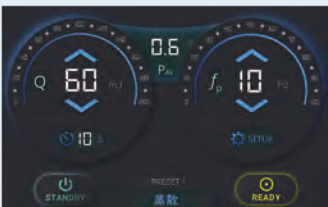
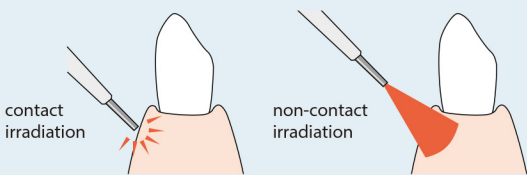
Treatment is possible without the use of anesthesia in many cases

In the pulse oscillation system of Impulse dental laser, the irradiation time per 1 pulse enables very short irradiation among various kinds of lasers. The irradiation time per 1 pulse is 1/10,000 seconds - 1 microsecond (repeat pulse -Hz). By combining the frequency of oscillation (5Hz to 100Hz per second) and the amount of energy (milli • joule-MJ) per 1 pulse (20mj to 200MJ) of this pulse, treatment can be performed at the optimal setting according to the case.



Irradiation methods according to application.

The impulse dental laser is less inhibited by moisture, and is ideal for treatment in the oral cavity where hard and soft tissues are intricately intertwined by the use of contact and non-contact methods.



Easy-to-operate touch panel

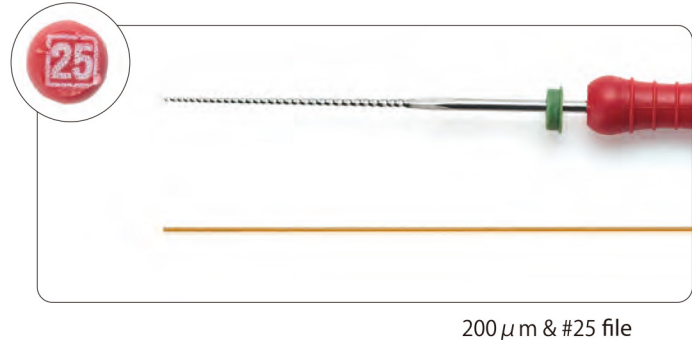
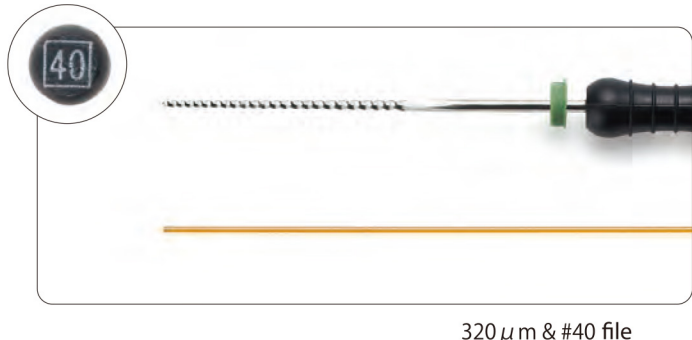
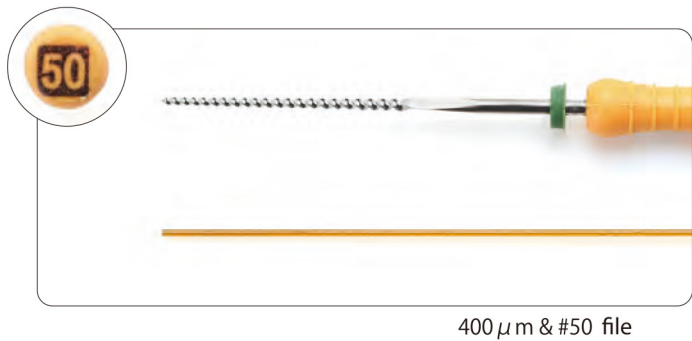
All operations such as timer and output adjustment can be performed with the touch panel. The memory function makes it possible to also set irradiation conditions for each treatment purpose.

Flexible ultra-fine fiber for thin and narrow areas

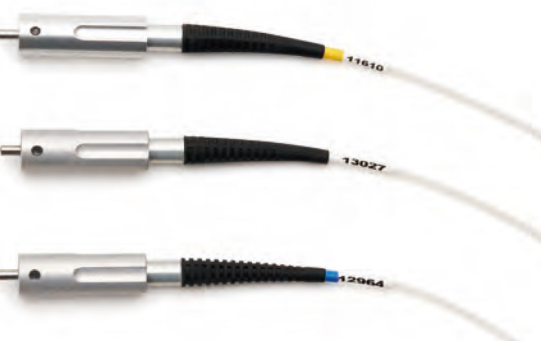
Stress free operation in the oral cavity, freely reaching the narrow parts



Fiber and File Comparison

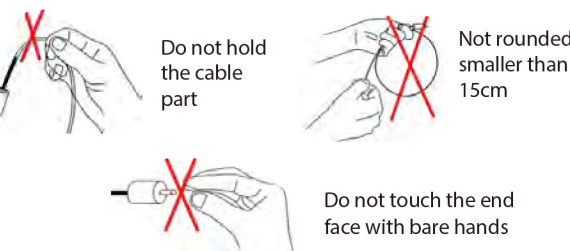


★ Color coded for identification



color code
【 yellow 】 400 µ m
【 white 】 320 µ m
【 blue 】 200 µ m

⚠ Precautions for Handling the Fiber



Note: Please make sure to use the attached hand piece when using.
Note: Optical fibers are consumables.