

Only one and first **AFL®** (Adjustable Fiber Length)
system in the World.

K2 MOBILE

Handpiece
Dental Diode Laser



WE VALUE TECHNOLOGY FIRST

Greetings and Philosophy

Dental laser specialty Since 2002

Hulaser has an ambition to become a company that has pride and puts the best effort as a group of specialists who are progressive, positively challenge, and make impossible possible under the company motto of Progress, Positive, Possible, Pride and Professional.

To be a company that endeavors for the best products and is young and sincere, every worker of Hulaser gives a promise of following the business ethics with right company value, establishing a foothold to the world and being a global medical company.

Workers in Hulaser handle every matter based on principles, moderation and general sense. Every staff and worker of Hulaser works on the basis of such philosophy without any exception.

We look forward lots of support from the customers to be the best company, and promise that we will return the profits to the customers.

We hope your healthiness and successful achievement sincerely.

All employees of Hulaser

01 Progress

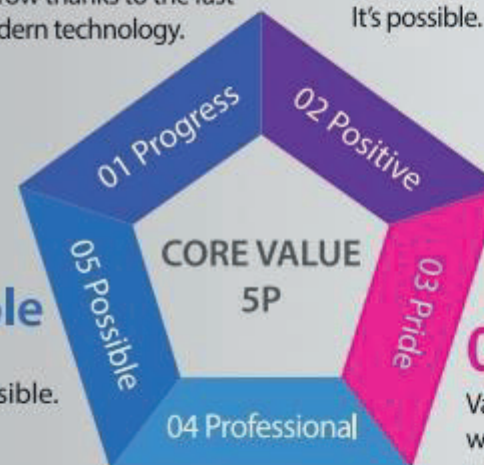
Value that can adapt oneself to changing situations with the idea that today's dream can be reality tomorrow thanks to the fast development of modern technology.

02 Positive

Like a wise man said, "think positive and run your effort, then everything is possible", nothing is impossible if we think It's possible.

05 Possible

Value that turns impossible into possible.



04 Professional

Value that are actual and basic, and make wishes possible.

03 Pride

Value that loves his/her work, feels self-confident, and bears hardships.

History

2017

Launching K2 mobile in IDS in cologne
Participating 7 international dental exhibitions
1 million dollars government fund received for research and development of dental diode laser
New products project launched

2016

Relocated the company building to Gasan Digital Valley (present)
Obtained Governmental Task for Product Fair Improvement
Achieved and finished the Enhancing Capabilities for Export Business project
Joined overseas exposition in the Middle East, US and Eastern Europe
Achieved overseas certificates of CE and FDA
Selected as 2016 Good Design
Obtained overseas patents from the US and China and patent pending for new overseas patents
Began export to the Middle East, Europe, Asia, etc.
Began a new product development project

2015

Obtained patents in the US, China and Europe
Registered design patent / Obtained and registered multiple technological patents
Applied and obtained overseas certificate
Concluded a contract for the overseas sales office of Knowledgee Industry Center in Munjeong
Expanded the clean room of laboratory

2014

Developed K2 mobile laser
Applied multiple patents
Changed the company name to HULASER Inc.
Obtained the governmental task worth 1.6 billion

2013

Launched K lasers in IDS in Germany
Launched K lasers in Korean market
Launched K4 MPX
Developed K2 laser
Developed K1 laser

2011

Completed the development of Zenus
Relocated the main laboratory for dental laser

2009

Dental Laser Research and development (Diode, Er-YAG, CO2 laser)

2008

PSMED Inc. Conversion to a corporation
Relocated in Seocho-gu, Seoul

2007

Founded a company laser laboratory

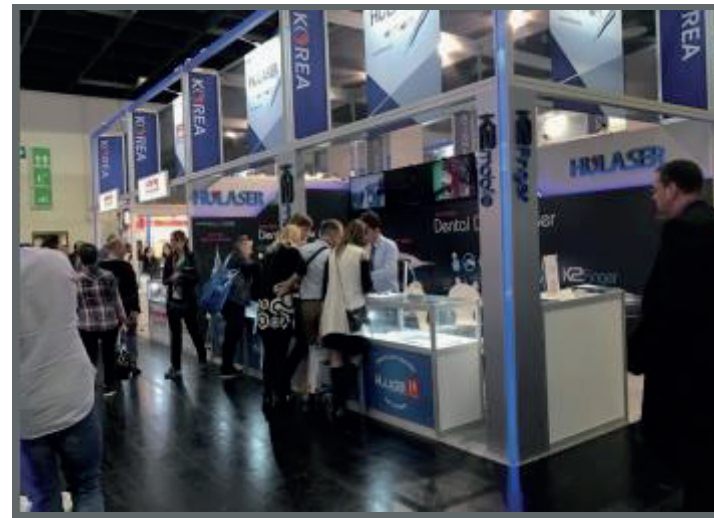
2002

PSMED Co., Ltd. established

Domestic and international exhibitions



<AEEDC, Dubai>



<IDS, Germany>



<SIDEX, Seoul>



<GAMEX, Seoul>



<YESDEX, Busan>

And attending at least 20 exhibitions every year

Technical patents and awards (domestic and international)

Domestic patents



Design patents



International patents



USA

USA

China

Germany

UK



Italy



France

Awards



Registrations

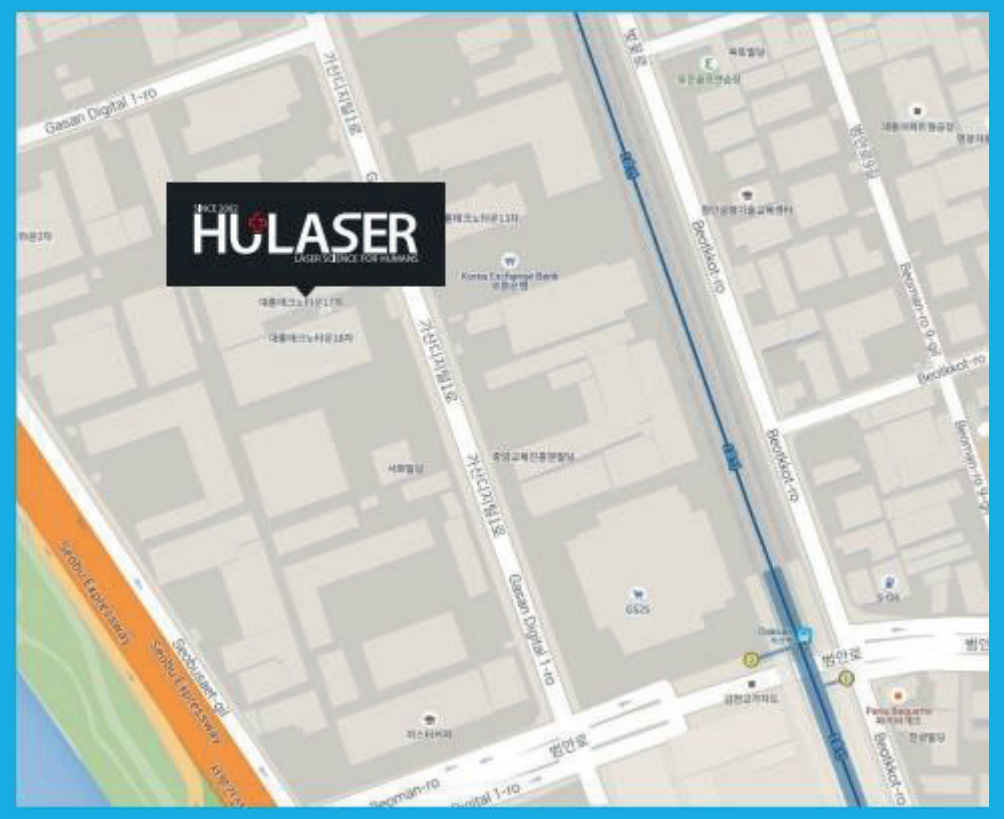


Contact us

Certificates



Membership



Address

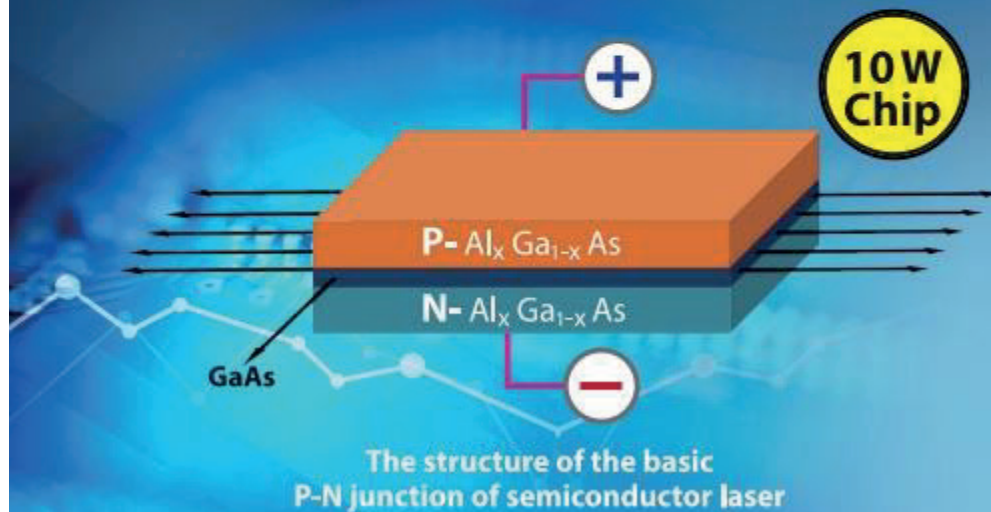
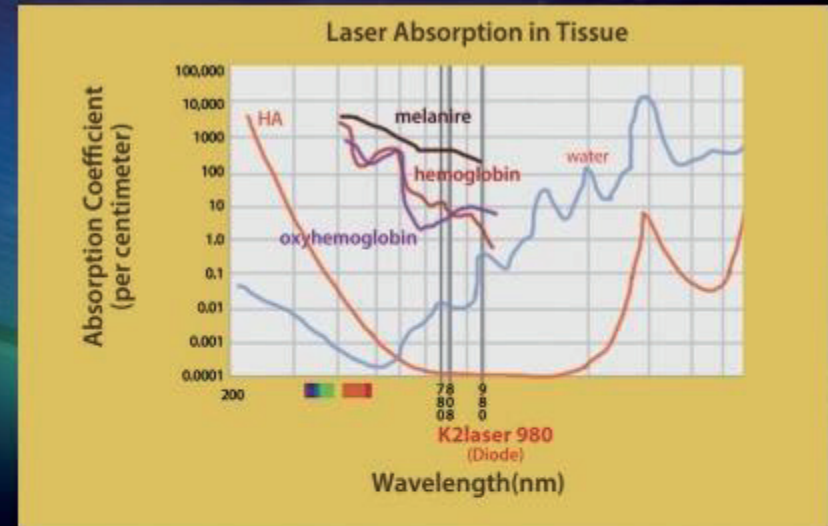
#1110, Daerung Technotown 17, 25, Gasan digital 1-ro, Geumcheon-gu, Seoul 08594, Korea.

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 Website : www.k2lasers.kr

Features and Innovations of K2 mobile handpiece laser

Wavelength

The wavelength "980nm" is more absorbent to water in human tissue that leads to less thermal damage to the target tissue while in surgery.



Power inside

10W LD(laser diode) chip is equipped in LD module to maximize efficiency and for stable power.

Power Diode by **HECoSA™** Technology
(High efficient chip on submounting alignment)



CW **Pulse**
3.5 **6.0**

More than enough power for every applications

Power
3.5W Continuous wave emission
6.0W pulse emission — coolpulse 1=10Hz
coolpulse 2=100Hz

Stable and sufficient output through HeCoSa technology

Full Wireless

Without connecting to external power cord or laser irradiation when using
Maximum mobility and portability since pedal is not needed



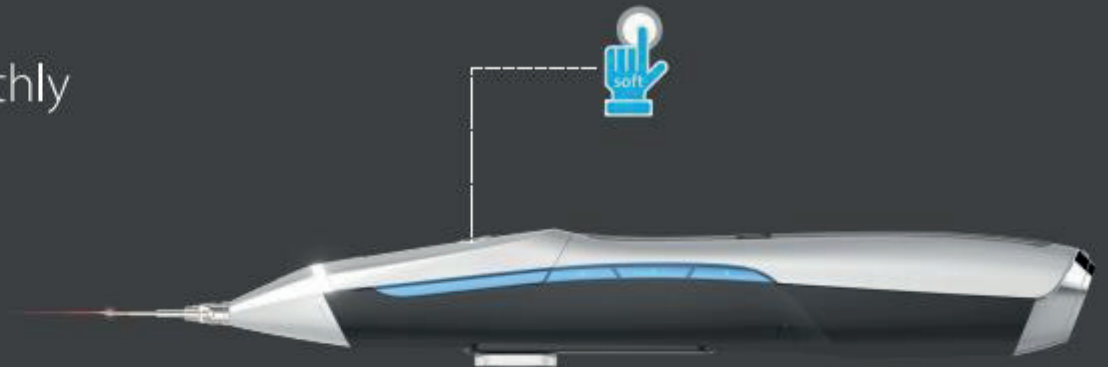
Soft button technology

Soft button technology that presses smoothly

as one of the most important functions of a hand-piece type laser

The soft button technology makes it easy to conduct and pause laser irradiations

It is soft and minimizes finger pressure and finger fatigue despite long periods of use



Auto/Manual emission

Automatic/Manual laser irradiation function

Auto emission function to reduce finger fatigue during long irradiations

Bright and clean OLED display

Optimal OLED display to show small letters clearly



Gravity sensors for use of both hands

OLED reacts to use of right and left hands to provide optimal display of equipment's status



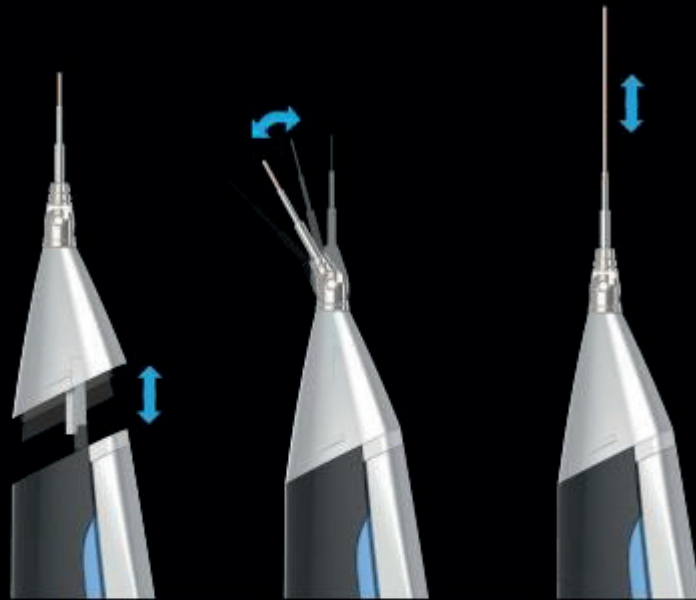
Ideal weight and size for handheld device

With battery, the weight is light at 108g and grip is ergonomic
Designed to reduce fatigue in the wrist or fingers even after long periods of use

Long lasting battery

Battery cell made in Japan and assembled in Korea





Autoclavable front aluminum cap for various optic fibers for every applications

Two kinds of tips enable various applications and minimize the inconvenience of tip changing. The front cap made of aluminum is applicable to all types of optic fiber and can easily be used in every application. It is removable for disinfection after use.

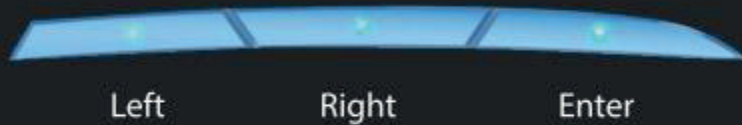
Least consumables

Costs of consumables that burden users have been minimized. The handy type solves concerns regarding consumables, and the patented sliding-type optic fiber length adjustment functionality allows adjustment of optic fiber length satisfying individual user's needs.



Easy menu navigation

Programmed to enable easy navigation between various functions



Fiber cleaver inside

Fiber cleaver that can cut optic fiber to use tips as new is installed in addition to the versatile tips that can minimize cost of consumables

Voice guidance and confirmation

Prevention of malfunctioning and reconfirmation of instructions to strengthen safety with voice confirmation



Battery saving

Sleeping mode and power off in 30minutes

When not in use for 30 seconds or more, battery is saved by switching to sleeping mode When not in use for 30 minutes or more accidentally, power turns off automatically

30 presets for convenience

30 presets are saved

30 most frequently used presets are saved
to maximize user convenience

4 user's memory

4 user memories are added to remember

the presets that the user uses most frequently to
suit user characteristics

(select memory) 
M1 M2 M3 M4 M5



Specification

Main body

Size (L x D x H) (without tip)	195mm x 23mm x 27mm
Weight	108g, with battery inside
Medium	GaAlAs
Wavelength	980nm±10nm
Max output power	3.5 W(CW)
Max peak power	6.0 W(Pulse)
Emission mode	CW/Pulse mode
Aiming Beam	635nm Laser diode, max 5 mW

Charging station

Dimensions	160 x 90 x 38mm(W x H x D)
Weight	150g
Voltage Input	100~240V, 50~60Hz
Battery	Lithium Ion 3.7v 1700mAh
Recharge time	3 hours
Port	4 battery charging port

Classifications

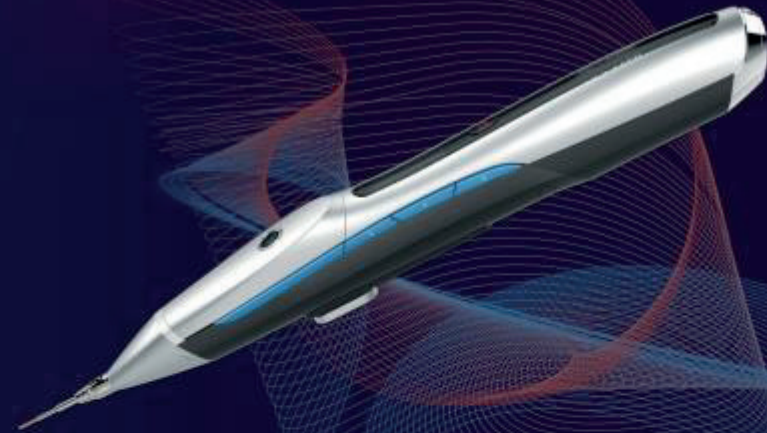
KFDA Device – Class III Laser Surgical Unit : Diode
 CE Device – Class IIb medical Device

FDA Device – 79 GEX Class II Medical Device
 CDHR Laser – Class IV (4) Laser

HIGHTECH IN THE BEAUTY

Design Meets High-Tech

The utmost high tech met the ultimate beauty.
We imbued soul to give life by pursuing perfection
that lacks or adds nothing.



Packaging

Safe and sophisticated packaging protects the product,
ensures high reliability and offers basic information of product.

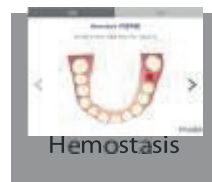
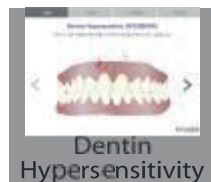
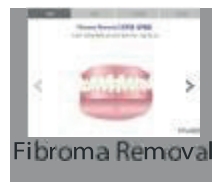
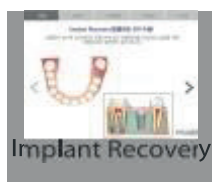
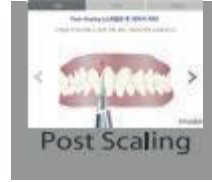
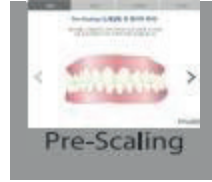
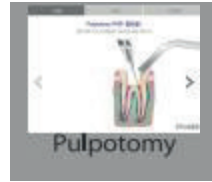
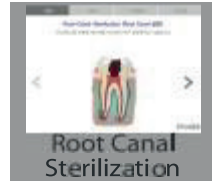
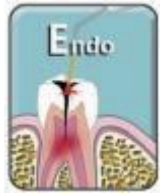
Patients looking for Laser treatments

Becourse...

- Faster recovery: minimal to no bleeding, less swelling
- Food taking immediate after treatment
- Less need for pain relievers
- Less chance of infection and antibiotics
- Less fear, anxiety and stress : Good news for dental-phobic patients
- Return to work/daily activities quicker
- Fewer visits to dental clinics
- Reduced post operative infection (swelling)
- Safer treatment for chronic patients
- Tooth whitening: Single or twice visit procedure



Applications of K2 mobile



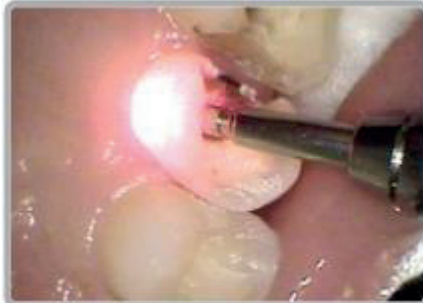
Root Canal Sterilization

- Application : Root canal sterilization of #15
- Patient : Age 47, Female with pain in #15 Apex
- Parameters : 0.3W pulse

before treatment



during treatment



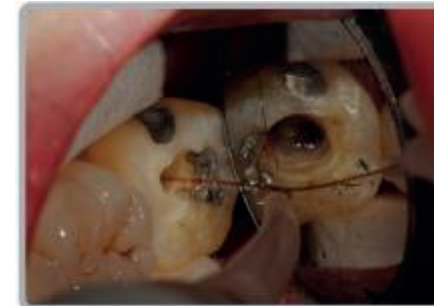
1 week after Tx



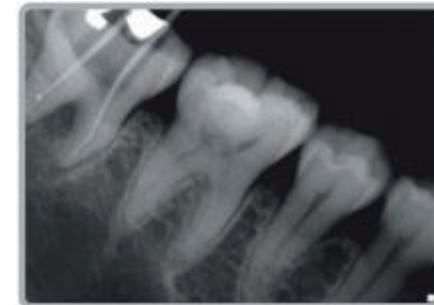
Root Canal Sterilization

- Application : Root canal sterilization of #17
- Patient : 40's, Female with pain in #47
- Parameters : 0.3W pulse

during treatment



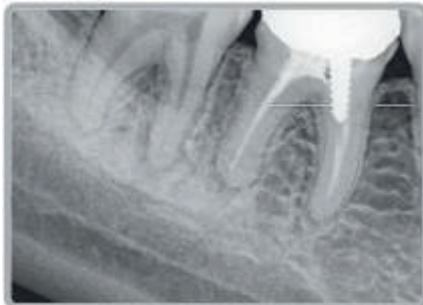
1 week after Tx



Apical abscess Treatment

- Application : Apical abscess treatment of #47
- Patient : Age 33, Female with apical abscess
- Parameters : 0.3W pulse

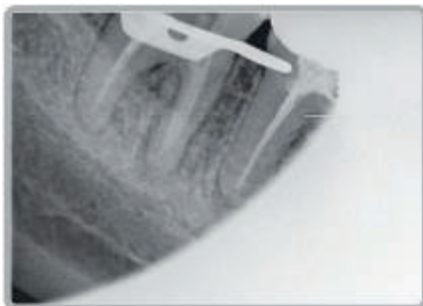
before treatment



during treatment



1 week after Tx



Apical abscess Treatment

- Application : Apical abscess treatment of #21
- Patient : Age 44, Male with apical abscess
- Parameters : 0.3W pulse

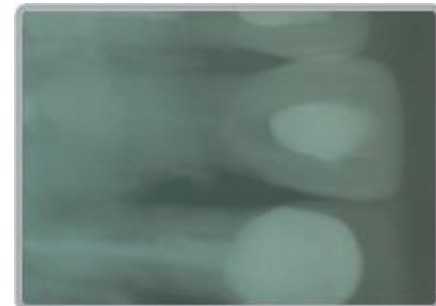
before treatment



during treatment



after treatment



Laser Curettage Moderate

- Application : Laser curettage of #36
- Patient : Age 67, Female with periodontitis
- Parameters : 1.0W CW

before treatment



after treatment



1 week after Tx



Laser Curettage Moderate

- Application : Laser curettage of upper jaw
- Patient : Age 42, Female with periodontitis and bleeding
- Parameters : 0.8W CW

before treatment



3 months after 1st Tx



right after 2nd Tx



Laser Curettage Severe

- Application : Laser curettage of #16
- Patient : Age 55, Female with periodontitis
- Parameters : 1.4W CW

before
treatment



after
treatment



1 week
after Tx



Curettage Mild

- Application : Laser curettage of #13~23 and #33~44
- Patient : Age 20s, Male with gingivitis
- Parameters : 1.8W pulse

before
treatment



1 week
after Tx

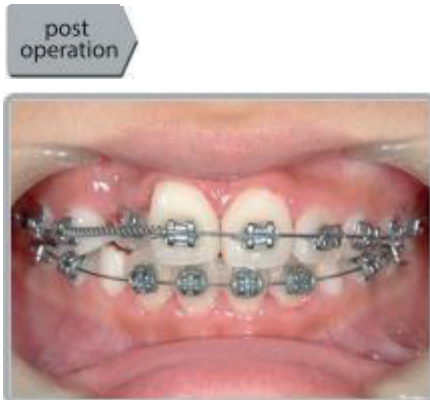
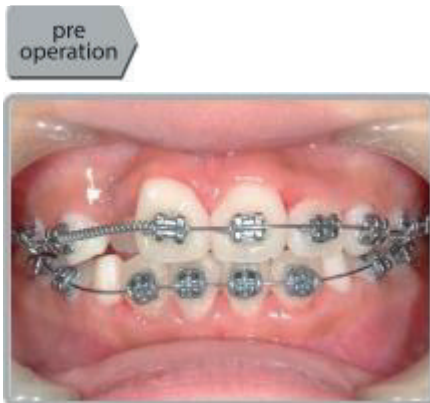


2 week
after Tx



Gingivectomy

- Application : Gingivectomy of #12
- Patient : Age 9, Female with hyperplasia
- Parameters : 1.4W CW with no anesthesia



Gingivectomy

- Application : Gingivectomy of #11
- Patient : Age 22, Female ((for esthetic purpose)
- Parameters : 3.0W CW



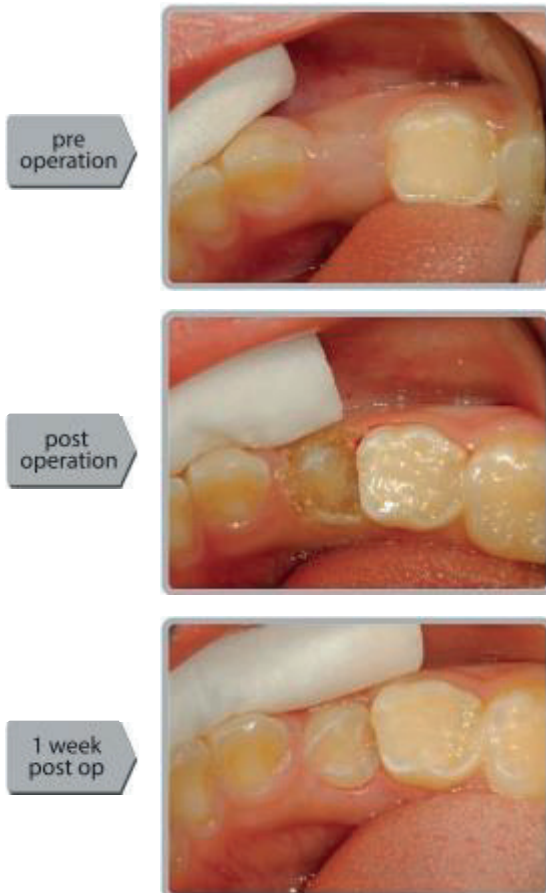
Gingivectomy

- Application : Gingivectomy of #13~23
- Patient : Age 26, Female (for esthetic purpose)
- Parameters : 2.6W pulse



Crown Exposure

- Application : Operculectomy of #34
- Patient : Age 8, Female
- Parameters : 1.4W CW



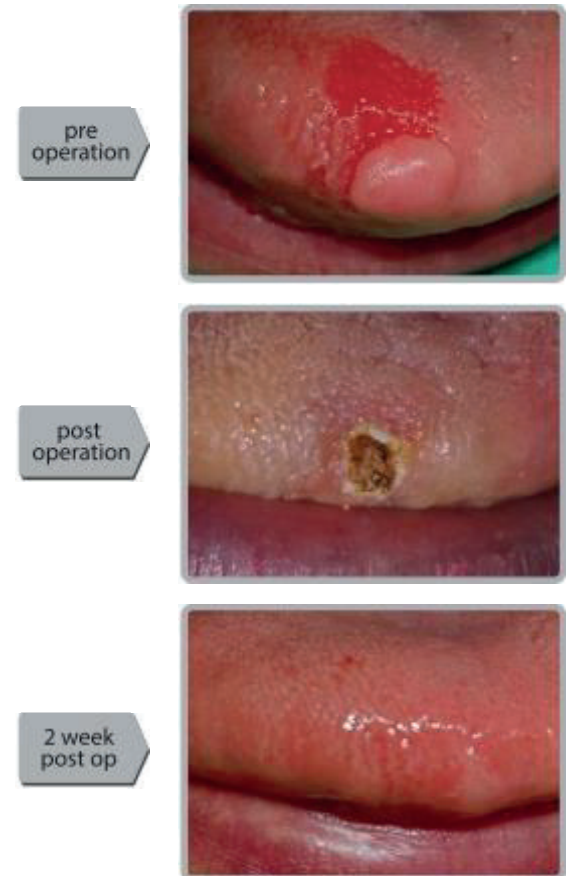
Operculectomy

- Application : Distal operculectomy of #38
- Patient : Age 10, Male
- Parameters : 2.8W pulse



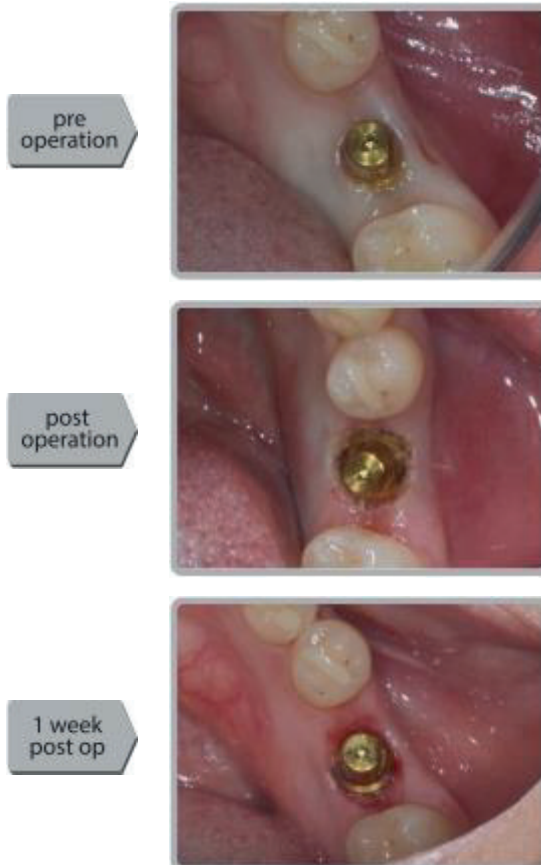
Fibroma Removal

- Application : Fibroma removal of the tongue
- Patient : Age 50s, Female
- Parameters : 1.4W CW



Implant Recovery

- Application : Gingivectomy around implant of #36
- Patient : Age 32, Female
- Parameters : 2.0W CW



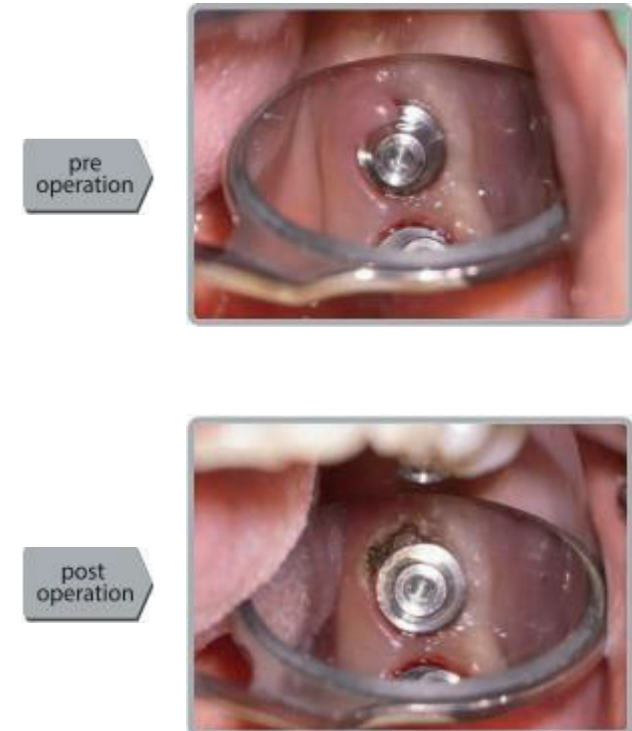
Implant Recovery

- Application : Implant opening
- Patient : Age 33, Male
- Parameters : 1.5W pulse



Gingival Trimming Around Abutment

- Application : Gingival trimming around implant of #47
- Patient : Age 39, Male
- Parameters : 1.4W CW



Gingival Trimming Around Abutment

- Application : Gingivectomy around implant of #45
- Patient : Age 37, Female
- Parameters : 1.8W pulse

pre operation



post operation



post operation



4 days post op



Implant Recovery

- Application : Implant opening of #37
- Patient : Age 23, Male
- Parameters : 2.0W CW

pre operation



post operation

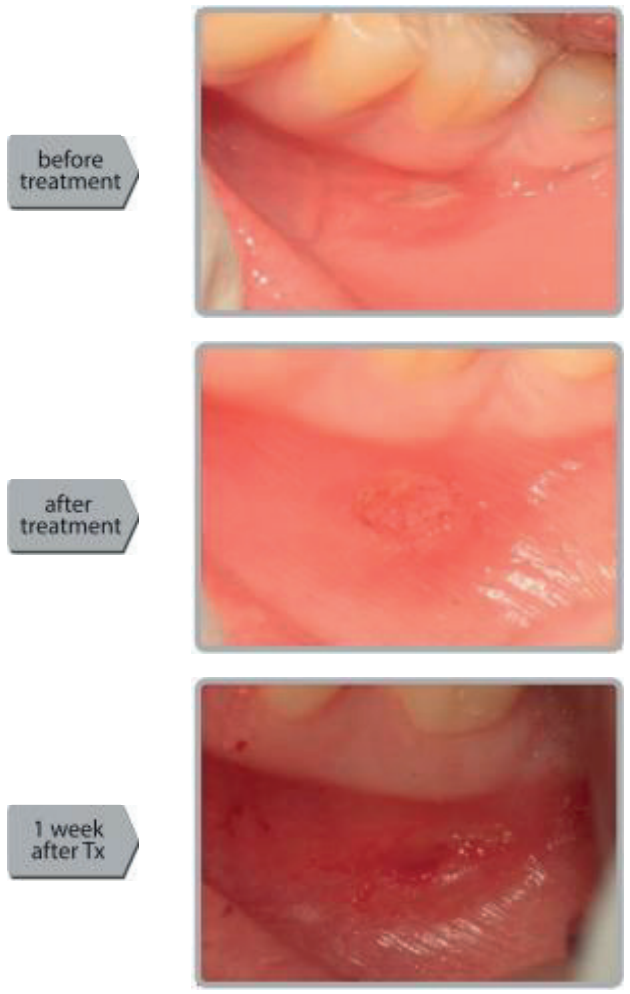


1 week post op



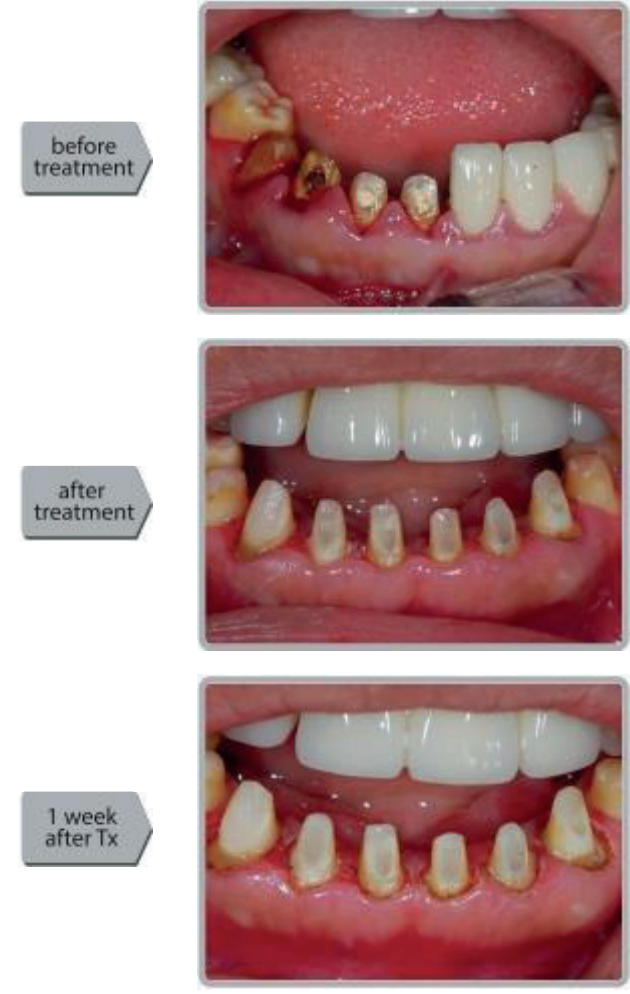
Aphthous Ulcers

- Application : Ulcer treatment
- Patient : Age 10, Female
- Parameters : contact 0.3W pulse(1 min.) + non-contact 2.0W pulse(1 min.)



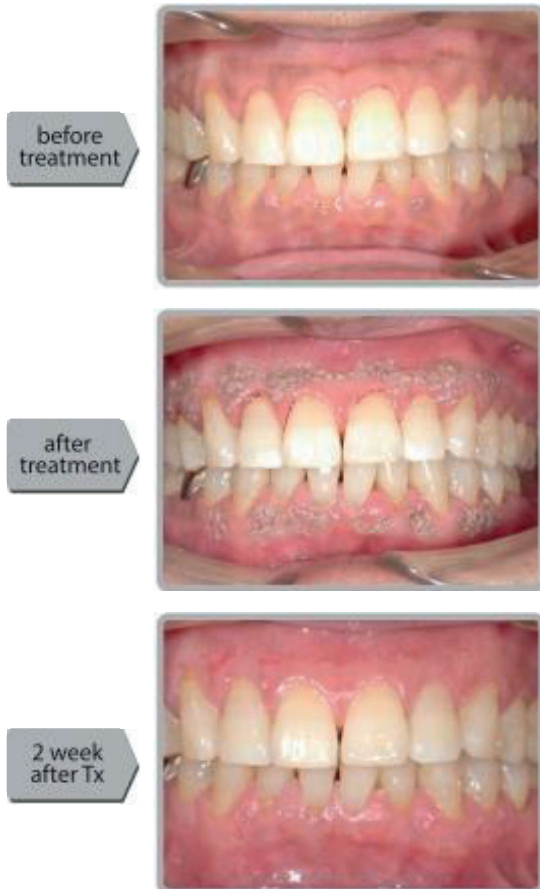
Laser Troughing

- Application : gingivectomy for impression taking
- Patient : Age 30, Female
- Parameters : 2.0W CW



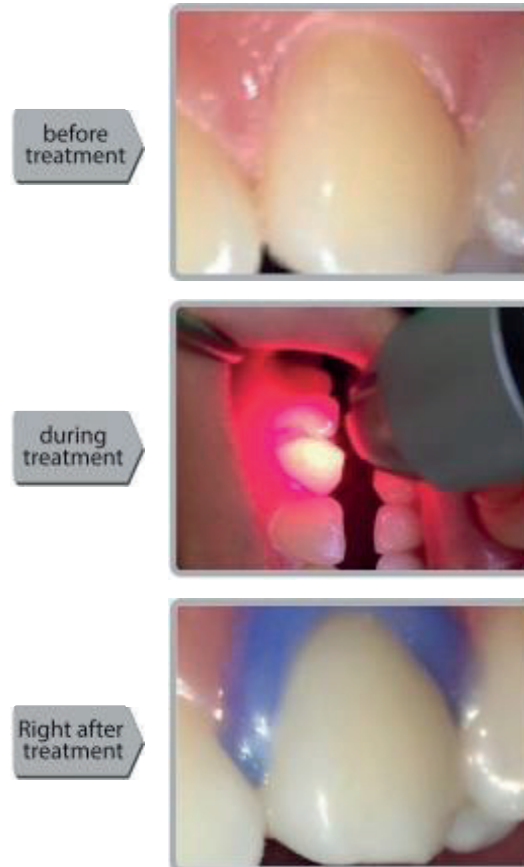
Melanine Depigmentation

- Application : Melanine depigmentation
- Patient : Age 55, Male
- Parameters : 1.5W pulse



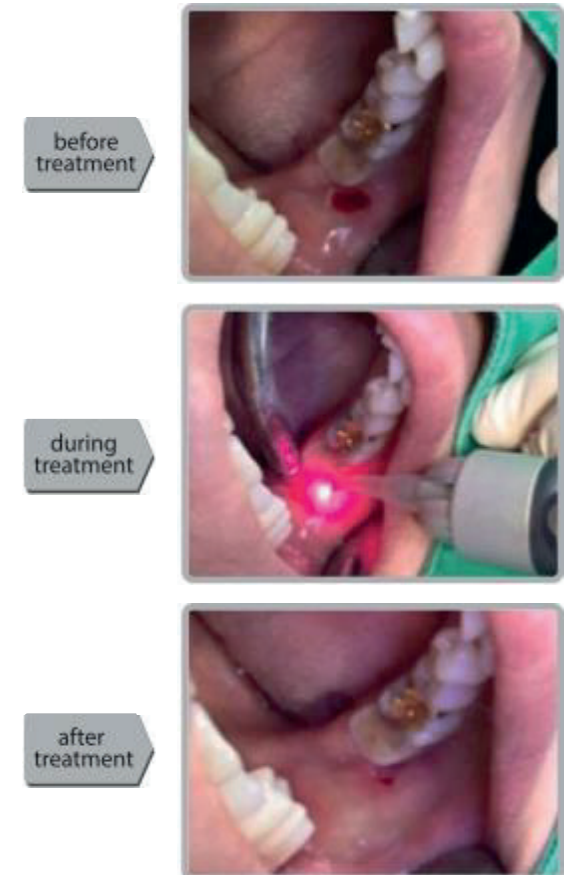
Laser Tooth Whitening

- Application : Laser tooth whitening at #23
- Patient : Age 24, Female
- Parameters : 2.4W pulse



Hemostasis

- Application : Hemostasis
- Patient : Age 40, Female
- Parameters : 2.0W pulse



Price(Full package)/MSRP USD3,300



K2 Mobile Main body



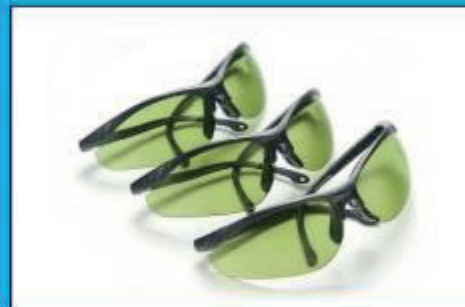
1 base charger(cradle)



1 Aluminum front cap and 3 optic fiber tip(one Endo/two General)



2 Lithium-ion batteries



3 laser safety goggles



Power supply for the charger



Fiber stripper



User's manual



Easy guide book



Laser danger sign



package

Price(Accessories)/MSRP



Base charger and cradle
\$ 250



Aluminum front cap
\$ 150



Optic fiber tip (Endo)
\$ 30



Optic fiber tip (General)
\$ 30



Lithium-ion battery
\$ 30



Laser safety goggles
\$ 150



Fiber cleaver
\$ 60



Power supply for the charger
\$ 60



Fiber stripper
\$ 80

Optional



Tooth Whitening Acceleration Tip
\$ 80



LLLT(Low Level Laser Therapy)spacer
\$ 100



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E-mail : sales@hulaser.com / info@hulaser.com

WEBSITE : www.k2lasers.kr / www.k2lasers.com



Charging Station

Dimension : 160 X 90 X 38 (mm)

Port : 4 battery charging port

Communication : LED charging indicator

