



HANDPIECE

Dental Diode Laser



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

K2mobile
2020NE(New Edition)



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

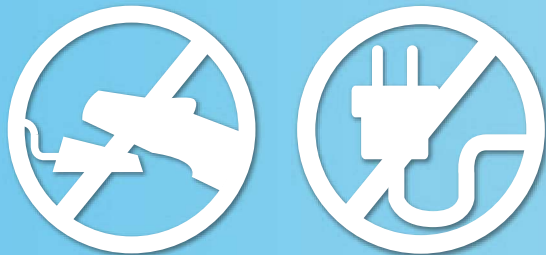
More than enough power for every applications

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 and bothering footpedal, you can enjoy laser practice with maximum mobility and portability



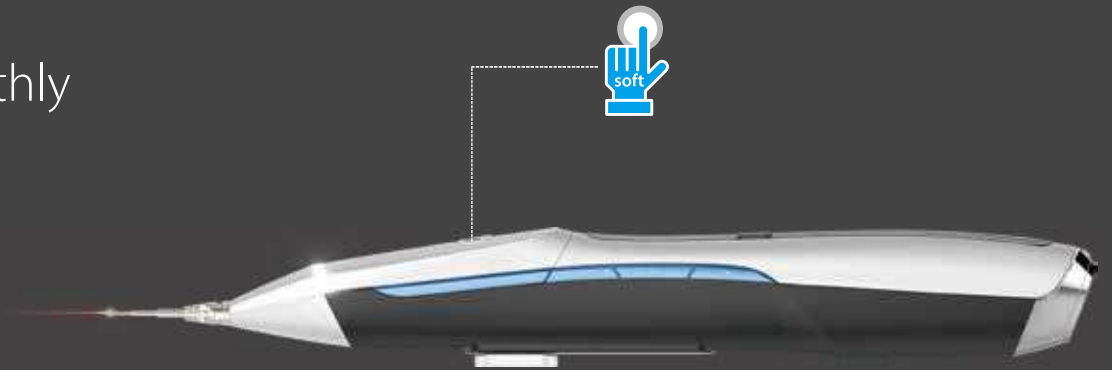
Soft button technology

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



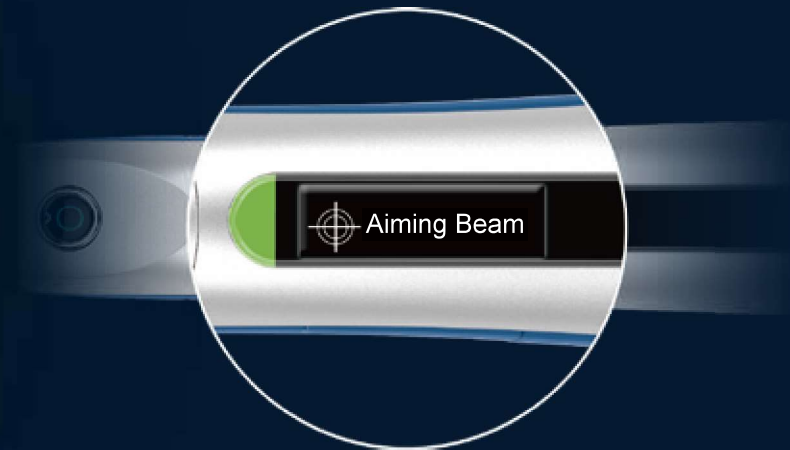
Auto/Manual emission

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



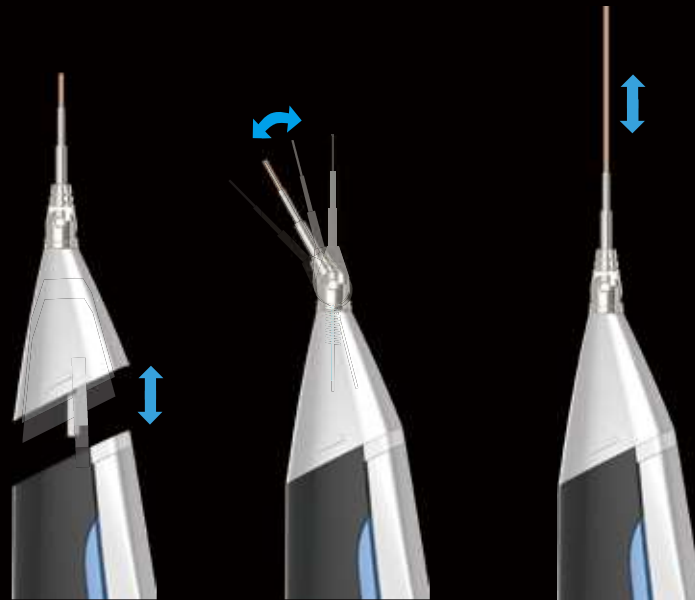
Ideal weight and size for handheld device

With battery, the weight is light at 135g and grip is ergonomic
Designed to reduce fatigue in the wrist or fingers even after long periods of use

Long lasting battery

Big capacity of 1700mAh battery will make daily practice free from bothering of change of battery.





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

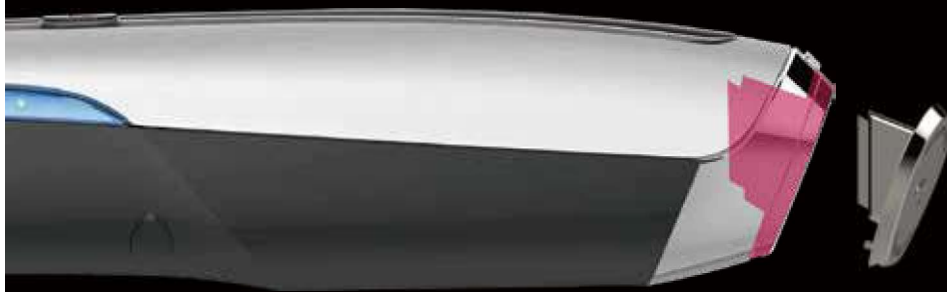
Programmed to enable easy navigation between various functions



Left
Down
Home

Right
Up
Upstage

Enter
Stand by
Ready



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 10minutes 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

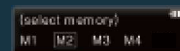
30 presets are saved

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





Specification

Main body

Size (L x D x H) (without tip)	205mm x 25mm x 30mm
Weight	135g, 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, 47~63Hz
Battery	Lithium Ion 3.7v 1700mAh
Recharge time	3 hours
Port	4 battery charging port

Classifications

MFDS 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.



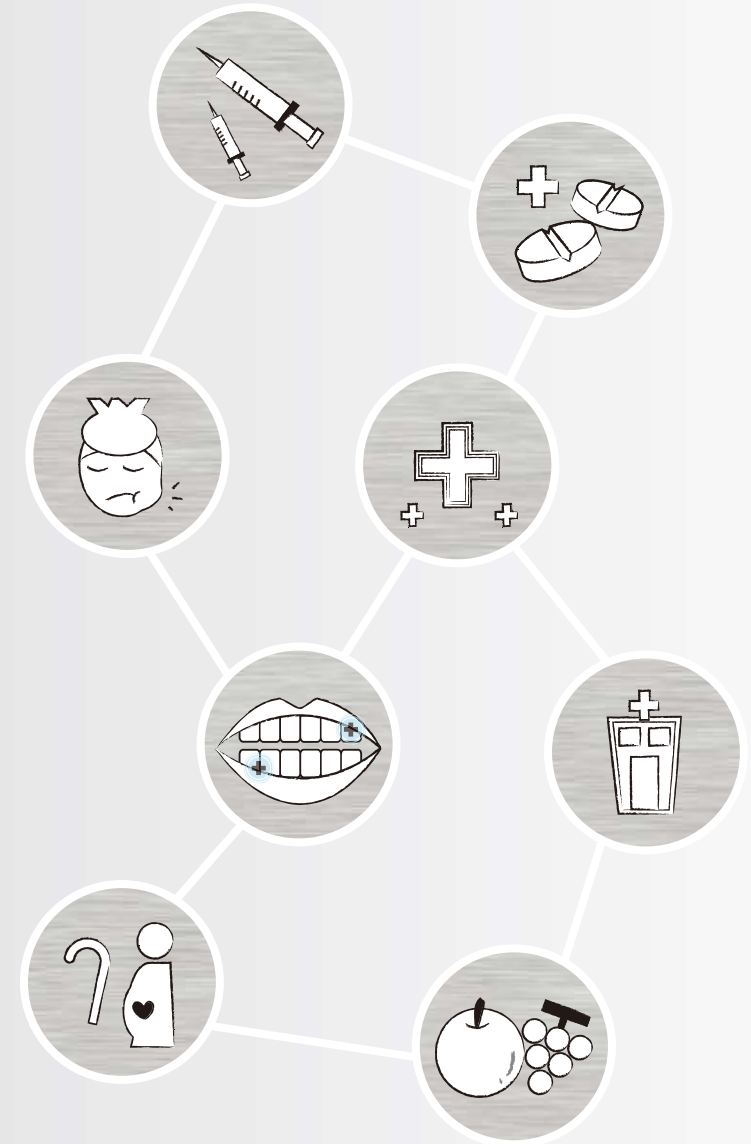
Packaging

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

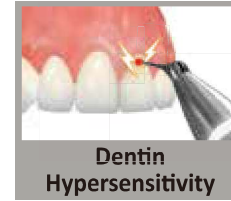
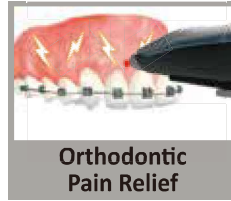
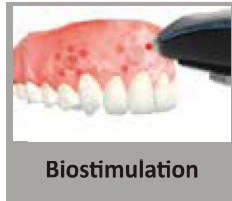
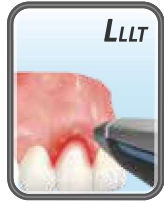
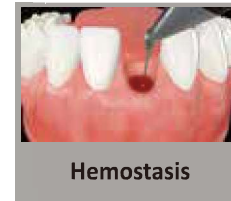
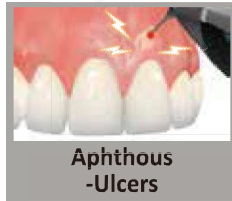
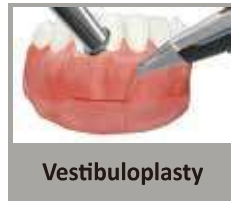
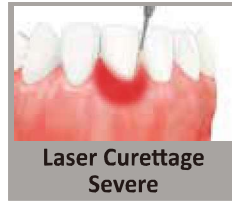
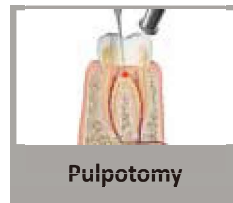
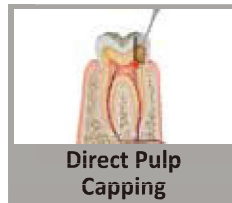
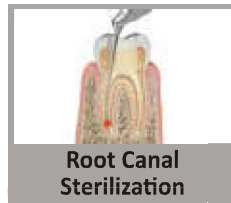
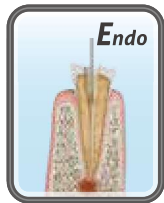
Patients are looking for Laser treatments

Becouse...

- 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 (30 applications)



You can find clinical movies in www.k2lasers.kr -> e-learning

Root Canal Sterilization

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

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 cw (standard mode)

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 cw (standard mode)

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 (gentle mode)

before treatment



during treatment



after treatment



Laser Curettage Moderate

- Application : Laser curettage of #36
- Patient : Age 67, Female with periodontitis
- Parameters : 1.0W cw (standard mode)

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 (standard mode)

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 (standard mode)

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 (gentle mode)

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 (standard mode)

pre operation



post operation



Gingivectomy

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

pre operation



post operation



2 week post op



Gingivectomy

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

pre operation



post operation

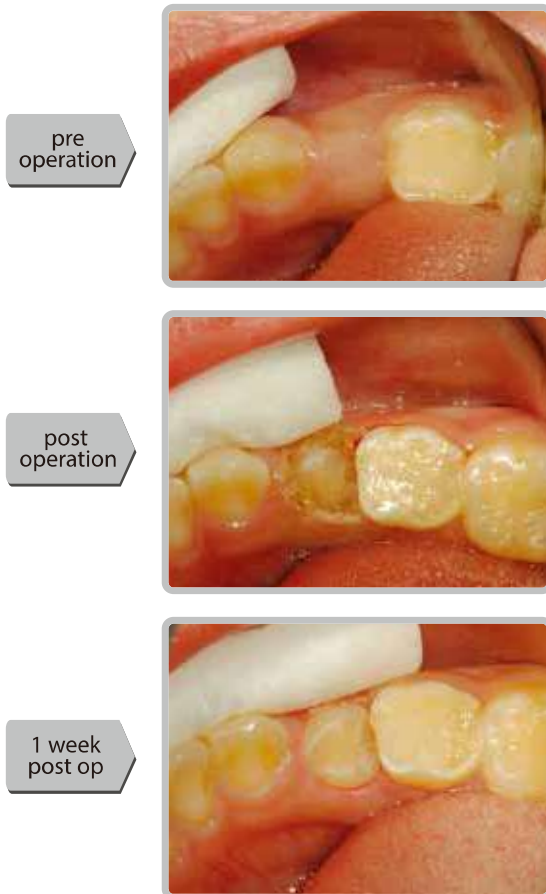


2 week post op



Crown Exposure

- Application : Operculectomy of #34
- Patient : Age 8, Female
- Parameters : 1.4W cw (standard mode)



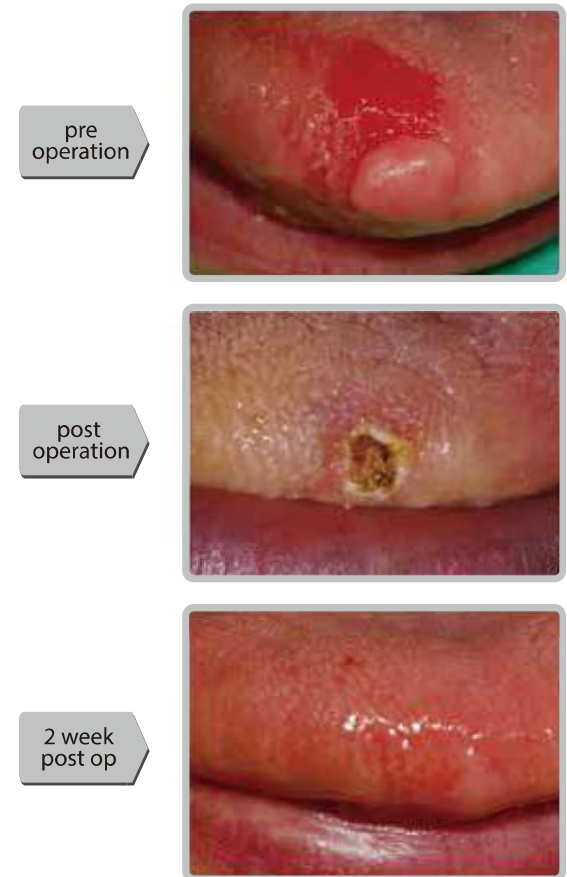
Operculectomy

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



Fibroma Removal

- Application : Fibroma removal of the tongue
- Patient : Age 50s, Female
- Parameters : 1.4W cw (standard mode)



Implant Recovery

- Application : Gingivectomy around implant of #36
- Patient : Age 32, Female
- Parameters : 2.0W cw (standard mode)

pre operation



post operation



1 week post op



Implant Recovery

- Application : Implant opening
- Patient : Age 33, Male
- Parameters : 1.5W pulse (gentle mode)

pre operation



Right after post op



healing abutment



Gingival Trimming Around Abutment

- Application : Gingival trimming around implant of #47
- Patient : Age 39, Male
- Parameters : 2.8W pulse (gentle mode)

pre operation



post operation



Gingival Trimming Around Abutment

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

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 (standard mode)

pre operation



post operation



1 week post op



Apthous Ulcers

- Application : Ulcer treatment
- Patient : Age 10, Female
- Parameters : contact → 0.3W pulse(1min)
 non-contact → 2.0W cw(2min) +oral ointment

before treatment



after treatment



1 week after Tx



Laser Troughing

- Application : gingivectomy for impression taking
- Patient : Age 30, Female
- Parameters : 2.0W cw (standard mode)

before treatment



after treatment

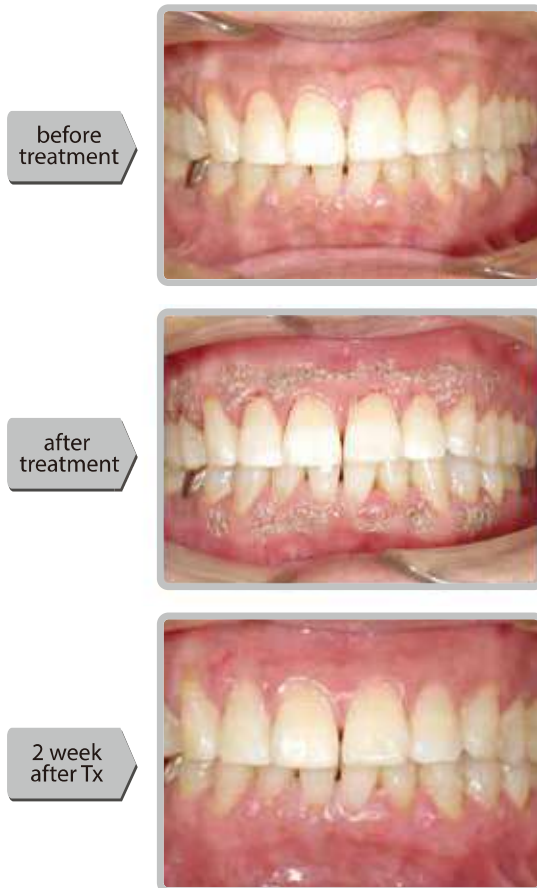


1 week after Tx



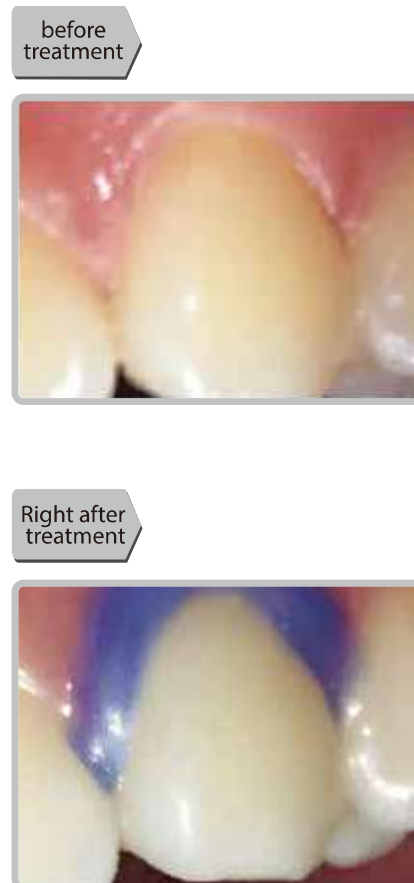
Melanine Depigmentation

- Application : Melanine depigmentation
- Patient : Age 55, Male
- Parameters : 1.5W pulse (gentle mode)



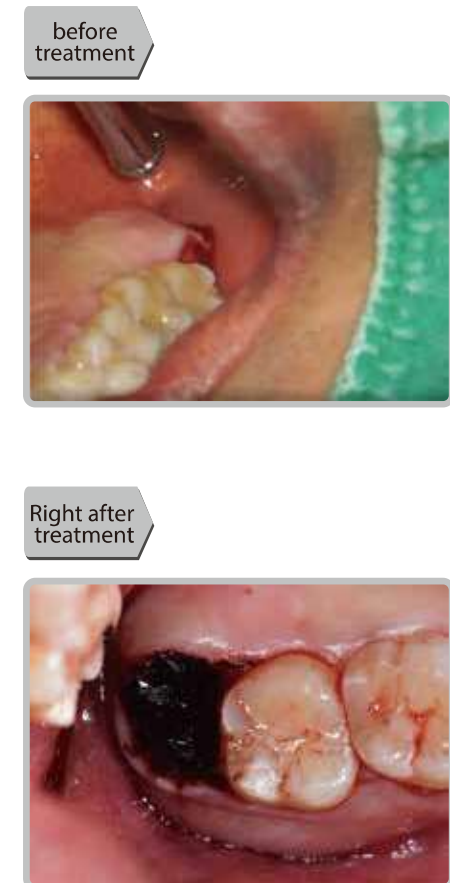
Laser Tooth Whitening

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



Hemostasis

- Application : Hemostasis after tooth extraction
- Patient : Age 50, Male
- Parameters : 3.0W pulse (gentle mode)



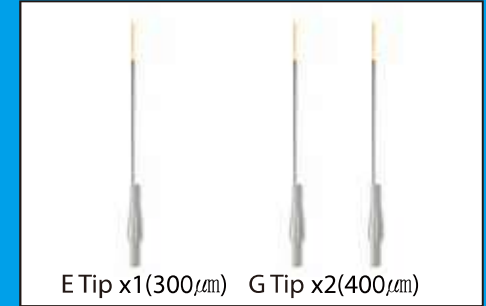
Price(Full package)/MSRP USD3,900 (2020/01/01)



K2 Mobile Main body x1



Battery charger x1



E Tip x1(300,um) G Tip x2(400,um)

Optic fiber tip x3
(Endo x1/General x2)



Lithium-ion battery x2



Laser protection goggle x2



Power supply for the charger x1



Fiber jacket stripper x1



User manual



Operation manual



Easy manual



Laser operating sign



Package