



# Ongu Power Laser HK-7700

Ongu Power Laser (Ongu: thermal ceramic)  
Uses special thermal energy ceramic and low-power laser  
to improve blood circulation and ease pain from arthritis  
and myalgia.

 **HK Co.,Ltd.**

# Ongu Power Laser HK-7700

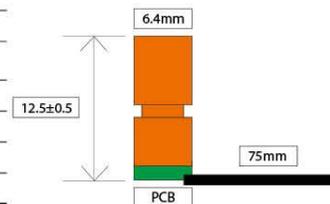


## 제품사양

Item	Description
Product name	Ongu Power Laser
Model name	HK-7700
Electrical rating	220V
Rated frequency	50Hz
Power consumption	10W
Control model	HK-SMART 1000
Safety protections	Overload circuit breaker with fuses
	Overheating protection
	Sensor Open and Sensor Off at time of a short circuit
	High-voltage protection
Country	Republic of Korea
Manufacturer	HK Medical Co., Ltd

## Laser Diode Projector

Wavelength	655nm
Optical Output Power	<2.5 ±0.5mW
Beam Diameter(1/θ <sup>2</sup> )	φ5 ± 2mm (@30Cm)
Input Voltage	DC 3 ~ 3.5V
Operating Current(Max.)	<40mA
Operating Temperature	-10~+50℃ (Case Tem.)
Storage Temperature	-20~+60℃
Housing Material	Brass
Laser Safety	Class III a



## Names of Control Components and How to Use

① Power Button	To turn on/off power to product (Automatic OFF in 8 hours).
② Temperature Control Volume	[V]: To decrease set temperature; [λ]: to increase set temperature
③ Temperature display window	To display current temperature, preset temperature, and laser operation time.
④ Heat lamp	To get lit when in operation.
⑤ Laser display lamp	To get lit when in operation.

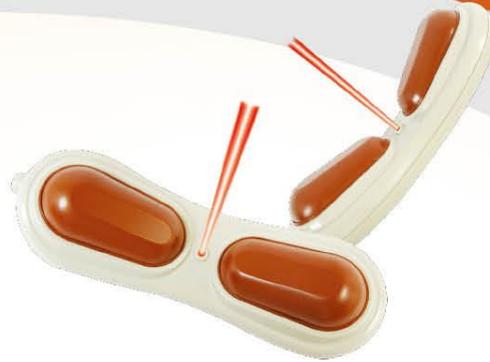
1. Turn on/off power (automatically off in 8 hours).
2. Press the Power Button (1) for more than 1 second to on power. Currently set temperature appears on the Temperature window.
3. [Locked] The control gets locked when it is not operated for more than 10 seconds. The functions of all buttons become locked.
4. [Unlocked] Press the power button for more than 1 second. All button functions get enabled.
5. Press the temperature control button ((2), Up/Down) to determine your desired temperature. Temperature setting range: 30~70oC Heating operation comes to an automatic end in 8 hours since its operation.
6. Press the power button again when you want to set the laser in operation, when the timer display 30 minutes on the temperature display window. The laser goes off automatically in 30 minutes.
7. Turn off the power button when the use is over.

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## Safety precautions

1. Pay attention not to spill water or liquid over the main body or the control.
2. Do not give strong impacts to or let the main body or the control fall.
3. Do not let children or old and weak people handle the product alone.
4. Do not disassemble, repair, or alter or modify the product at your discretion.
5. Keep the control situated in good view at all times.
6. Do not shoot the laser directly into your eye.
7. Avoid using the product at high temperature ( $\geq 45^{\circ}\text{C}$ ) for long as repetitive use may lead to low-temperature burns.
8. Stop using the product immediately and get medical attention from a doctor when any problem develops on the skin.
9. Perform applications only within specified time durations:  
Within 8 hours a day; within 60 minutes at high temperature
10. Do not use the product for any purpose other than is intended.
11. Refrain from using the product when a user has wounds, skin diseases, or a problem with the skin's sensory organs.
12. Prohibit using the product when a user drinks or gets tired from hard work.

## Storage and handling precautions

1. Make sure to pull off the power plug when it is not used.
2. Keep the product in a dry place at room temperature after use.
3. Avoid keeping the product in a moist place or near a flammable source.
4. Wipe the product with a soft dry cloth when it gets smeared with foreign matter.
5. Do not stick or scratch the product using a sharp object such as a knife or nail.
6. Stop use the product immediately and contact the store or our A/S Center for consultation if it has a problem.

## Features

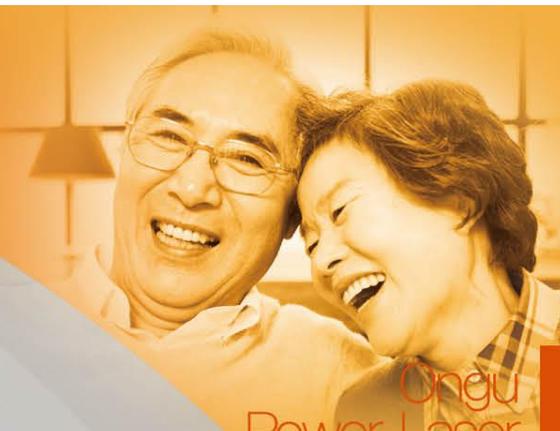
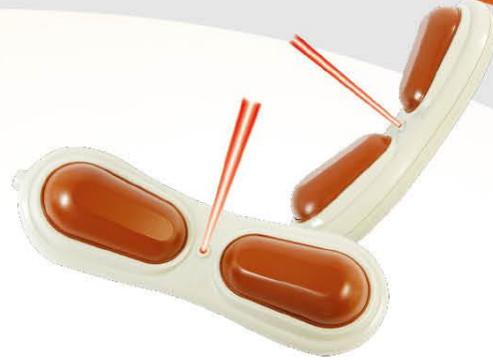
1. Double therapeutic effects of low-power laser and thermal energy
2. User-friendly design
3. Applicability on all parts of the body including not only such joints as knees, shoulder, and back but also eyes, nose, ears, and the genital area.
4. Ease of handling with a convenient control, even for old patients

## Therapeutic principles

1. Removal of inflammations from damaged cartilage cells
2. Recovery of cellular function through the activation of cells
3. Removal of inflammations that cause pain and relief of pain through the control the nerve system
4. Inhibition of cartilage abrasion through the proliferation of collagen

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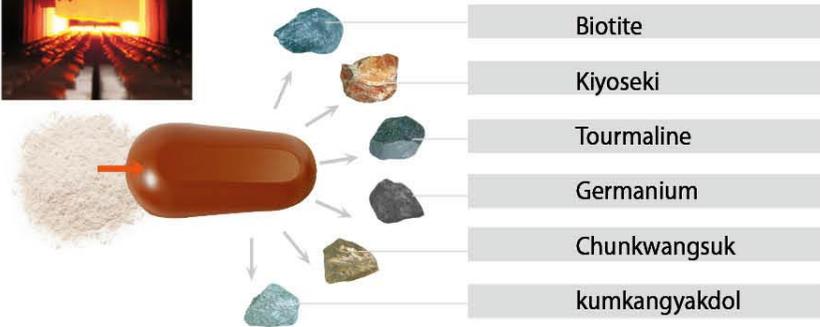
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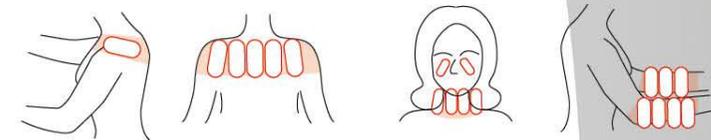
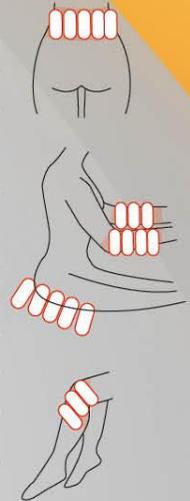
## Thermal effects of special ceramic

Energy-emitting ceramic produced from natural ores by nano-technology  
 · Emits abundant far infrared rays and anions continuously.  
 · Is beneficial for the promotion of blood circulation and the relief of pain.



## Application for body parts

Eye	Recovery for fatigue, decreased visual acuity
Nose	Rhinitis, sinusitis
Jaw	Temporomandibular disorder (due to inflammation)
Neck	Tonsillitis, herniated disc
Shoulder	Pain, stiffness
Abdomen	Menstrual pain, lower abdominal coldness,
Back	Herniated discs
Knee	Arthritis
Anus	Hemorrhoids, prostate gland
Others	Arms, legs, hands, ankles, hands, toes, hips, etc



## Effects of laser

1. To supply energy to cells, tissues, and organs.
2. To remove inflammations and activate cells.
3. To stimulate the whole body and remedy chemical imbalances.
4. To stabilize the potential differences of cell membranes and maintain the normal functioning and balancing of cellular activity.
5. To promote the secretion of pain-easing hormones such as histamine and serotonin

## Recommended for:

- Women who suffer from menstrual pain, acne, and lower abdominal coldness.
- Men who suffer from alopecia, prostatic hypertrophy, and sexual dysfunction.
- People who suffer from stiff shoulders, muscle pain, abdominal obesity, and neuralgia.

## Quality Warranty

Product Name: Ongu Power Laser HK-7700

Warranty period	One (1) year from the date of purchase
Date of purchase	YY    MM    DD
Customer	Address:
	Name:
	Tel. No.:
Store	Name of store:
	Name of director:
	Address
	Tel. No.:

1. This product undergoes our strict quality inspection procedure before it is shipped out.
2. This product is subject to free repair service for one year from the date of purchase according to the Consumer Protection Act if the defect is determined to result from normal use.
3. Contact the store or our A/S Center (1577-6778) or our Homepage (<http://www.hkmedical.co.kr>) if you have any problems with this product.
4. Services will be charged even during the warranty period, upon occurrence of any of the following events:
  - A. When the defect results from misuse or abuse or in connection with user's careless or negligent act.
  - B. When the defect results from willful alteration or repair by an authorized person.
  - C. When the product becomes defective or damaged as a result of fall.
  - D. When this warranty is not presented.
  - E. When this warranty does not contain the date of purchase and the seal and signature of the store where the product is purchased.
  - F. When the serial number marked on the inspection sticker has been damaged.

 **HK Co., Ltd.**

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1577- 6778

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