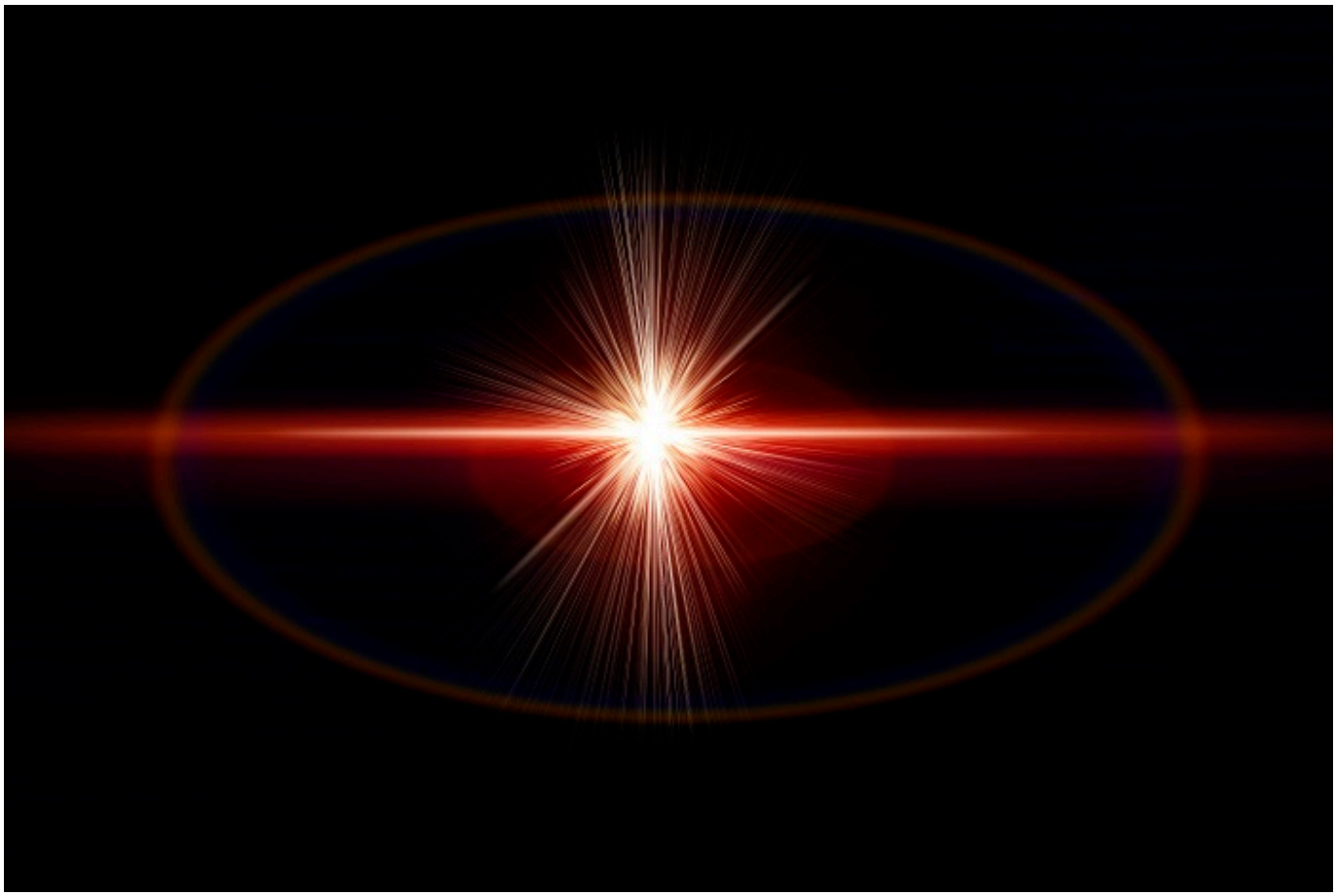
Photon Light Therapy

What is a photon?



Welcome to our blog we are so thankful for all your visits, likes and shares without you we wouldn’t be here.

On week 337 we are sharing information about photon, what it is, how it works and where to get some home machines, I been using photon machines for years and love them is machines for

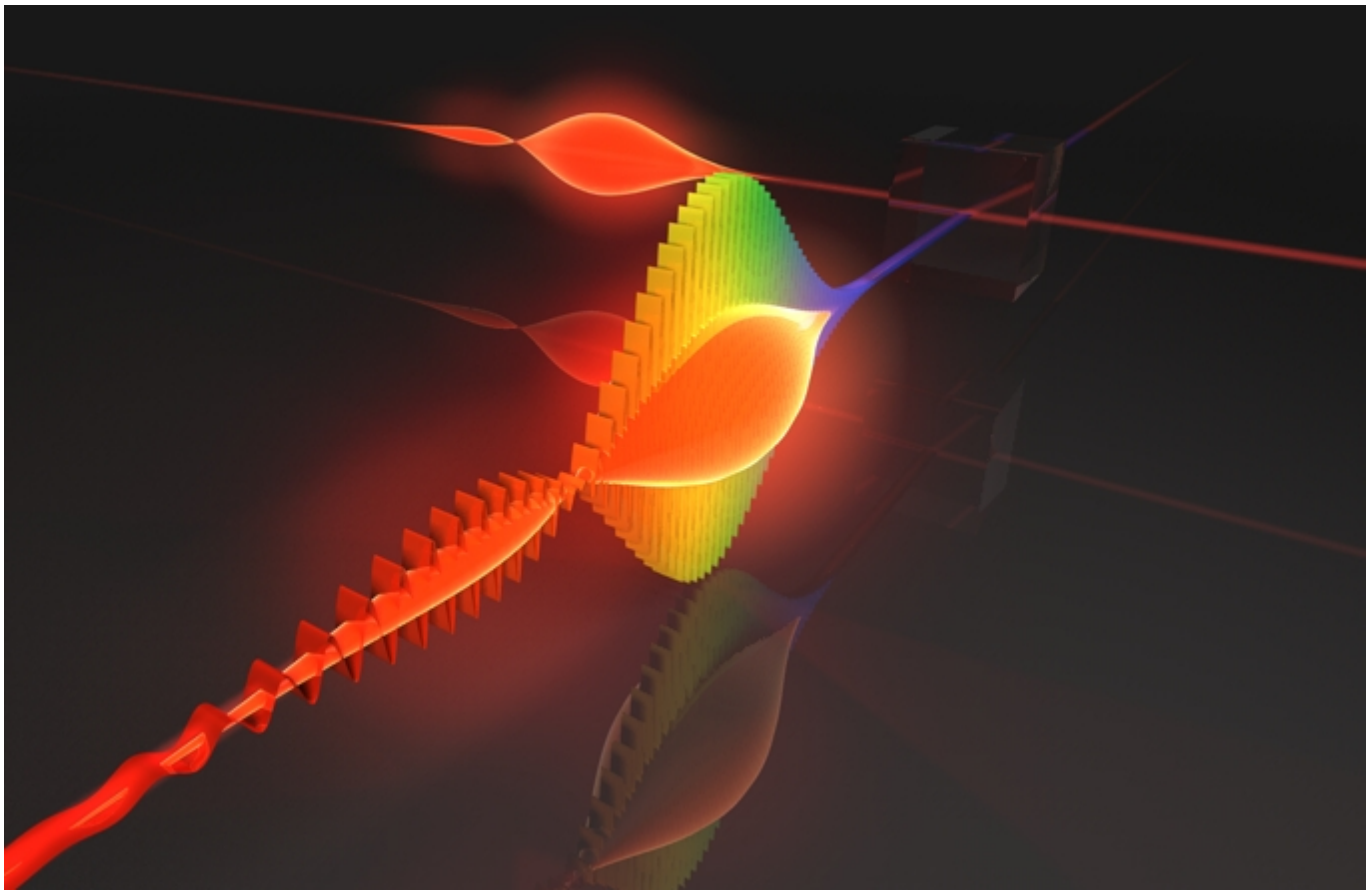
the body, facial hair, etc.

we receive questions and requests to blog about it and we wrote this post in a way that even do it has scientific information we still could share information that everyone could understand enjoy and please share and like if you do.

In physics, a photon is a bundle of electromagnetic energy. It is the basic unit that makes up all light. The photon is sometimes referred to as a “quantum” of electromagnetic energy.

Photons are not thought to be made up of smaller particles. They are a basic unit of nature called an elementary particle.

Properties of a Photon



Photons have some basic properties that help define what they are and how they behave. These properties include:
They have zero mass.
They have no electric charge.
They are stable.
They carry energy and momentum which are dependent on the

frequency.
They can have interactions with other particles such as electrons.
They can be destroyed or created by many natural processes.
When in empty space, they travel at the speed of light.

Photons behave like particles in that they can interact with matter. In some cases, the energy of the photon is absorbed by the matter. In this case, the extra energy may be emitted as heat. One example of this is the blacktop of the road getting hot in the sun.

Our eyes also interact with photons. When a photon strikes the eye it is turned into electrical energy that is then transmitted to the brain to form an image.

When the energy from photons is absorbed by matter, the matter can emit electrons. This process is called the photoelectric effect. The photoelectric effect is a property of light that is not explained by the theory that light is a wave. This is one of the main reasons that scientists chose to treat light as both a wave and a stream of particles.

What is a Photon Beauty Machine?



Photon beauty machines are gadgets that you can use at home to help you fight the visible signs of aging and other skin problems such as:

Sagging skin, wrinkles, fine lines
Dry and dull skin
Dark spots
Flabby kin
Scarring from acne or stretch marks
Extremely oily skin
Enlarged pores
These devices lift the skin and help make them firmer and smoother. They stimulate the production of collagen to make your skin smooth, toned and invigorated. It is a highly recommended method of keeping your skin vibrant and young-looking as it is non-invasive and less expensive than facelifts, Botox, or facial surgeries.

A photon beauty machine is a hand-held device that uses LED lights (photon) as massage therapy for skin aging and other problems.

How Do Photon Beauty Machines Work?

Photon LED Light

LED (Light-Emitting Diode) lights are used by photon beauty

machines as a therapy to fight skin aging. They do this by sending out infrared lights to create heat in different wavelengths and spectrums to penetrate deep down your skin. Once your skin absorbs the lights, the healing begins.

It helps reduce inflammation and removes the bacteria that cause acne. Aside from being a great anti-aging proponent, this is ideal for people who are prone to acne, blackheads, and whiteheads. LED lights come in different colors that have different uses.

RED-generally used for skin healing. It tones down swelling, heals damaged skin, and lessens the chances of scarring. It stimulates the growth of your skin to give you smoother and softer skin.

BLUE-used for the control of oil production. It has calming properties to help ease the signs of stressed skin. Perfect for those with sensitive skin and those prone to acne.

GREEN-this also has anti-inflammatory and anti-bacterial properties, but it is mainly used for rejuvenating your skin. It fights free radicals and improves your overall texture.



What Are Biophotons?

Biophotons, or ultra-low photon emissions of biological systems, are low electromagnetic waves in the optical range of the spectrum – in other words: light. ALL living cells of

plants, animals and human beings emit Biophotons, which can NOT be seen by the naked eye but can be measured by special equipment developed by German researchers.

This light emission is an expression of the functional state of the living organism and its measurement, therefore can be used to assess this state. After an initial decade and a half of basic research on this discovery, biophysicists of various European and Asian countries are now exploring the MANY interesting applications, which range across such diverse fields as non-invasive early medical diagnosis, food, and water quality testing, chemical and electromagnetic contamination testing, cell communication, and various applications in biotechnology.

According to the Biophoton theory developed on the base of these discoveries the Biophoton light is stored in the cells of the organism – more precisely, in the DNA molecules of their nuclei – and a dynamic web of light constantly released and absorbed by the DNA may connect cell organelles, cells, tissues, and organs within the body and serve as the organism's main communication network and as the principal regulating instance for ALL life processes. The processes of morphogenesis, growth, differentiation, and regeneration are also explained by the structuring and regulating the activity of the coherent Biophoton field. The holographic Biophoton field of the brain and the nervous system, and maybe even that of the WHOLE organism, may also be the basis of memory and other phenomena of consciousness, as postulated by neurophysiologist Karl Pribram and others. The consciousness-like coherence properties of the Biophoton field are closely related to its base in the properties of the physical vacuum and indicate it's possible role as an interface to the non-physical realms of mind, psyche, and consciousness.

The discovery of Biophoton emission also lends scientific support to some unconventional methods of healing based on concepts of homeostasis (self-regulation of the organism),

such as various somatic therapies, homeopathy, and acupuncture. The “chi” energy flowing in our bodies’ energy channels (meridians), which according to Traditional Chinese Medicine regulates our body functions may be related to node lines of the organism’s Biophoton field. The “prana” of Indian Yoga physiology may be a similar regulating energy force, that has a basis in low, coherent electromagnetic Biophoton fields.



Background Of Biophotons

First discovered in 1923 by Russian medical scientist Professor Alexander G.Gurvich (who named them “mitogenic rays”) and in the 1930s widely researched in Europe and the USA, Biophotons have been rediscovered and backed since the 1970s by ample experimental and theoretical evidence by European scientists. In 1974 German biophysicist Fritz-Albert Popp has proved their existence, their origin from the DNA and later their coherence (laser-like nature), and has developed Biophoton theory to explain their possible biological role and the ways in which they may control biochemical processes, growth, differentiation, etc. Popp’s Biophoton theory leads to MANY startling insights into the life processes and may well provide one of the MAJOR elements of a future theory of life and holistic medical practice based on such an approach. The importance of the discovery has been confirmed by eminent scientists, such as Herbert Froehlich and Nobel laureate Ilya Prigogine. Since 1992, the International Institute of Biophysics, a network of research laboratories in more than 10 countries, based in Germany, is coordinating research in this field of Biophotons, which promises rapid development in the



next decade.

Handheld LED Photon Skin Care Device

How is LED Photon Therapy Performed?

One of the best things about this type of therapy is the ease of use and safety, both of which allow it to be done at home. These can be purchased directly from trusted manufacturers or through dermatology offices. When this device is being used at home, it is critical to use it exactly as instructed in the included instructions.

The majority of these devices require treatment sessions to last approximately 30 minutes each time. Most are used twice a day. To use the device, the user simply turns it on and adheres to all instructions in how to apply the treatment to the skin. The handheld devices that are generally sold for home-use actually tend to be more effective than the non-handheld devices often seen in skincare clinics. This is because they are applied directly to the skin which helps to ensure greater absorption.

In many cases, a photosensitizing agent is applied prior to performing a treatment. How long it takes for this agent to absorb and be ready for treatment will depend on the agent used. Most do not take long, so there really is no extra time added when using one of these.

Are There Any Side Effects With LED Photon Therapy?

With this type of therapy, side effects, if they even occur, are minimal. Slight irritation and redness can occur, however, these are generally experienced by those that have sensitive skin. If a photosensitizing agent is used along with this therapy, it is possible for swelling, flareups, redness and crusting to occur. These are typically temporary and will diminish with continued use.

UV light is also a part of this therapy, however, the amount used is very low. This means that it is considered to be safe. To put it simply, skin cancer should not be a concern of those using this therapy because the UV light is just not strong enough. To ensure maximum safety, one should wear UV goggles to protect the retinas.

When a photosensitizing agent is used prior to performing a therapy, it is important to avoid sunlight following the treatment. In general, avoid long periods of sun exposure before you use this product.



Photon Therapy Facial Salon Skin Care Treatment Machine

Is LED Photon Therapy Safe to Use With

Other Skincare Treatments?

For the most part, this therapy can be safely used along with other skin care treatments, both natural and medicinal. This is a very safe skincare therapy and can be safely and effectively combined with just about every other skincare treatment, however, to ensure absolute safety it is important to talk to a doctor before administering treatment.

What are the benefits of Light treatments?

- Increased circulation
- Promotes collagen production
- Restoration of skin’s natural cellular activity
- Encourages a natural chemical reaction within the skin, uniting hydrogen and oxygen to create moisture

What results can you expect?

- Skin surface becomes toned and youthful
- Delivers a healthy glow resulting from total skin rejuvenation
- Increased inner skin firmness

- Promotes anti-stress and overall feeling of wellness
- Accelerates skin repair
- Healthier circulation


MODE
DERMASHINE

7 Color Wireless LED Mask For Face and Neck

Photon (bio-light) is a continuous spectrum that around 400nm to 1200nm. Simultaneously send out many kinds of light that

effectively remedy different kinds of skin problems.

The Nanometer Photon is a non-invasive cold light without any side effects.

The photon may activate the human cell at 5 times of the growing speed, helps to convert the Glucose to ATP. The cell Metabolism

energy rises, consequently stimulates collagen growth. Different Types of Photon have different effects improvement on skin.

This ionizer function proceeds the ion cleaning, as the head detector produces massive positive ion charges,

Skin accumulates dirt, like fat, air pollution, dust, and cosmetic residues, etc. The machine

Thus effectively

eliminates in-depth dirt to achieve an in-depth cleaning effect.

Besides the device can also enhance circulation and activates lymphatic system cells and resume skin vigor and metabolism effectively.

The positive ion current also channels the ingredients of the nutrient to deeper levels of the skin. By that renews and activates skin elasticity. Enhances moister absorption.

Effect:

Red light:

Has a relatively long wavelength [600 – 700 nm. (visible – near-infrared)], a slower vibration and a lower frequency, than all other colors.

In energy effects, it is the most stimulating of the color rays and is related to Blood, Root (Base) Chakra, Physical Sensations and Fire energy in the theory of the Chinese 5 elements.

It is suitable for all skin. Promotes blood circulation and collagen regeneration, so that the skin appears smoother, hydrated through improving dry skin, peeling and scar treatments. Hair follicles have been claimed to stimulate and re-grow – alopecia showed some improvements.

Red frequencies/infrared are also used for skin rejuvenation, wound healing, skin toning, skin smoothing, muscular aches and pains, carpal tunnel syndrome, frozen shoulder, arthritis and body ulcers.

- Suitable for any skin to achieve a healthy glow.
- Promotes blood circulation.
- Regenerates collagen, making skin healthier.

Blue light:

Has a wavelength of 450-475nm. The Blue light activates the bacteria-fighting militia called porphyrins. The porphyrins start a chemical reaction that produces peroxide, which destroys the acne bacteria. The bacteria are destroyed by a thermal reaction. It also enhances collagen rejuvenation.

Blue color light is suitable for sensitive, oily skin and eases acne bacteria, assisting the removal of acne. Promoting collagen and bone protein synthesis, activates the health of the skin, tightening slack skin and firming.

Blue light assists in relieving sunburn, pimples, and acne. Heal’s enlarged pores from blackheads and facial scarring.

Blue frequencies are also used for inflammation, acne, cold sores, pimples, bumps, spots, and mouth ulcers.

- Suitable for sensitive, oily skin and dehydrated skin.
- Assists in reducing acne bacteria, resulting in the removal of acne.
- Promotes bone collagen protein synthesis.
- Activates the skin, resulting in a tightening of lax skin.
- It can be used to stimulate the*Yintang* point (in between the eyebrows) to create a sedative effect, relaxing the body and mind.
- Soothes pain.
- Calms bleeding.

Yellow light:

Reduce spots and freckles, restrain melanin. Treats redness, and is also used for its soothing, draining and detoxifying

properties. It improves the lymph and blood circulation system. For clients with markedly sagging facial muscles

Green light:

Improve sensitive skin, shrink skin pores. Reduces pigmentation through penetration into the basal layer.

Purple light:

Dispel and restrain superfluous hair on the body. This will plump and tighten skin to reduce wrinkles and fine lines.

For clients in pain at the time of treatment

White light:

Dispels inflammation and get rid of pimples and dermatitis conditions. A full range and contains all colors so it produces A composite of the benefits for the primary colors.

Light Blue:

Dispel and restrain small wrinkles and crow’s-feet. Improves acne-prone skin with its purifying and anti-bacterial properties, reduces the amount of oil in the pores and aids in improving a clear complexion

