

Air Duct Germ Control



Air Duct Units: UVC-10 & UVC-15

Air duct mounted UVC devices reduce pathogens in HVAC systems whenever air moves through the system.

Originally invented by our manufacturing company and put to use in 1992, hospices for the critically ill, elder housing facilities, dental clinics, as well as to sick buildings with air quality issues have benefited from the disinfection capabilities of ultraviolet light.

Air Duct Germ Control



Easy to Install

Our standard units can be installed in any heating/cooling/ventilation system in less than 10 minutes. Simply drill a 2" diameter hole in the ventilation duct, insert the lamp until the housing is in contact with the duct, and fasten the device with 4 self tapping metal screws.

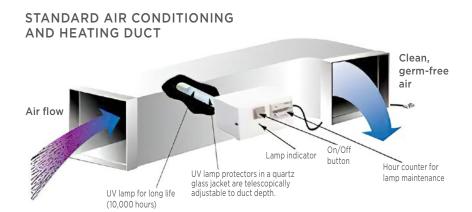
The quartz jacket will telescope to allow the installation into varying depth of duct sizes.

How it Works

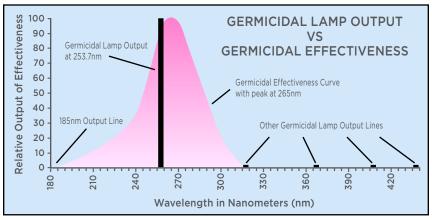
All microorganisms contain nucleic acid that react at 254 nm range resulting in the destruction of DNA. This process usually takes only a few seconds depending on the intensity of the light source. The result is dependant on the total UVC dosage and the kind of germ that needs to be deactivated.

Since 1992 we have been developing the latest purification methods for air heating and cooling systems. Our air germ control units use low wattage, high efficiency, long life ultraviolet pure quartz lamps, which has proven to be effective for air and surface disinfection of bacteria, viruses, mold spores, and protozoa.

Air flowing over the lamp surface allows the high intensity UVC rays to destroy airborne germs. Most odors are the result of the break down of organic material by bacteria, and their elimination will also remove any odor problems.







Handheld Sanitizers



Handheld Trio: 20W, 40W and 100W Models



High-power, handheld UVC wands of different lengths provide controlled exposure areas to protect users. Targeted for surface sanitization of corners, doors, handles, toilets, etc. These devices can also be mounted on a wirelessly-controlled outlet to be used when humans are not present. Mount from a ceiling, wall, or sitting upright vertically on its balanced supports.



Handheld Sanitizers

Technical Specifications

Solid aluminum, with protection grid Construction:

Dimensions: 6.5 inches x 6.5 inches x 40 inches (UVC-85)

6.5 inches x 6.5 inches x 21 inches (UVC-40)

6.5inches x 6.5inches x 15inches (UVC-20)

Operation: Standing vertically, hanging, or handheld

Frequency of use: As often as desired

Enclosure: Stainless steel cage, with additional quartz casing

Light source: Hard quartz, non-ozone type

Number of lamps: 1 lamp

Power input: 120V AC, 60Hz; 240V AC, 50Hz

1 Amp @ 120V AC (UVC-85); 0.5 Amp @ 120V AC (UVC-40); 0.25 Amp @ 120V AC (UVC-20) Amperage:

Power inlet: EMC filtration (hospital grade) at the power inlet

Standard, 15 Amp @ 120V AC IEC grounded with fuses Power cord:

Lamp Life: 16.000 hours

Entry fuses, on/off switch, delay timer Safety devices:

Intended Uses

- 220nm to 280nm nominal 254 nm UVC. 360° room sanitizer.
- Effective room air pathogen reduction device.
- Surface disinfection of surfaces: walls, tables, furniture, fixtures, and high-contact items.
- Floor disinfection against viruses, bacteria, mold.
- Natural virus destruction without any resistance build-up.
- Stable enough to stand vertically on its own.
- Easy to hang from cables for large area sanitizing.
- Easy to hold by hand for sanitizing corners, crevices, and car interiors in seconds.









Upright Room Sanitizers

TANSES TECHNOLOGIES INC.

Space-500 & Space-1000: Mobile UVC



Equipped with safety measures for the security of its users buy utilizing multiple sensors that will shut-off the device in the presence of any motion. The devices all have timers to allow the user to set the delayed beginning and duration of the exposure to provide a window of safely for the operator.

Intended Uses

- 220nm to 280nm nominal 254 nm UVC, 360° room sanitizer between patients and customers.
- Effective room air pathogen reduction device.
- Surface disinfection of equipment, walls, tables, furniture, fixtures, and high-contact items.
- Floor disinfection against viruses, bacteria, mold.
- Natural virus destruction without any resistance build-up.
- Rolls room to room on 4 casters.

Space-500 model can sanitize any room of 20 feet by 20 feet in minutes.

Space-1000 model has 65-inch long vertical lamps to even expose bottom sides of tables, chairs. The device is equipped with patent-pending floor UVC sanitizer that even covers the floor beneath the pedestal.



Upright Room Sanitizers



Technical Specifications

Construction: Solid stainless steel

Operation: Timer with delay, so operator can safely leave the room

Frequency of use: As often as desired

Light source: Hard quartz, non-ozone type **Power input:** 120V AC 60Hz; 230V AC 50Hz

Power inlet: EMC filtration (hospital grade) at the power inlet

Power cord: Standard, 15 Amp @ 120V AC IEC grounded with fuses

Lamp Life: 16,000 hours

Safety devices: Entry fuses, on/off switch, delay timer

Space-500

Dimensions: 18 inches x 24 inches x 79.5 incheshigh **Light intensity:** 155 microWatt/sqcm @ 8 feet distance

Influenza virus kill rate: 43 seconds @ 8 feet distance, 99.9% effective

Enclosure: Quartz secondary protection of lamps and lamp protection cage

Number of lamps: 4 lamps SHO

Amperage: 4.5 Amps @ 120V AC, 2.5 Amps @ 230V AC

Space-1000

Special features: Floor irradiation under equipment base via UVC lamp

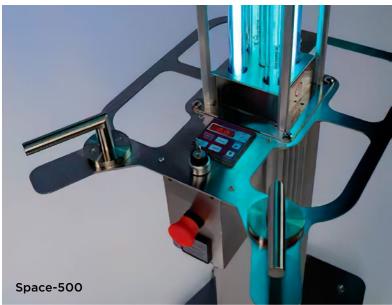
Dimensions: 21 inches x 19 inches x 79.5 inches high **Light intensity:** 185 microWatt/sqcm @ 8 feet distance

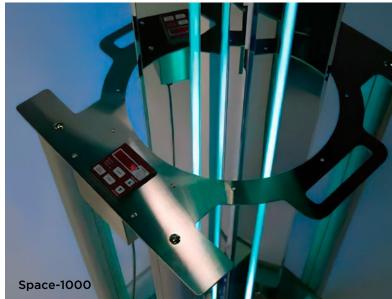
Reflector: Super polished UV reflectors

Number of lamps: 5 lamps, Including under unit floor UVC (patent pending)

Amperage: 6.1 Amps @ 120V AC (model SHO), 3.5 Amps @ 230V AC, 50Hz

Additional safety device: 360° motion sensor shut off





AcneLite



Violet Light Therapy



Acne vulgaris is a chronic inflammatory disorder of the pilosebaceous unit affecting more than 85% of adolescents and often persisting into later adulthood. Conventional therapy with antibiotics and retinoids yield mixed results and can be complicated by antibiotic resistance and adverse treatment profiles.



AcneLite



Specifications & Features

Model Name RX-1-Blue

Light source power 500 Watt blue light

Output wavelength 405nm to 415 nanometer

Type of light Non-collimated

Usage distance Minimum 8 inches

Session time 20 minutes

Exposure area 178 square inches

Voltage 120V AC or 220V AC

Weight 55 kg (121 lbs.)

Operation Rolls on casters

Lamp lifespan 30,000 minutes/replacement

Blue Light Advantages:

- The porphyrins within the sebaceous follicles absorb the blue light most effectively at 405 to 415 nanometer wavelengths.
- Blue light excitation leads to photo-excitation of porphyrins for subsequent release of singlet oxygen and reactive free radicals that has an antibacterial effect on acne bacteria.
- Blue light has also been shown to exert anti-inflammatory effects in keratinocytes.
- Blue light is also being used in combination with pharmacological and/or physical measures to synergize their effects and optimize the therapeutic outcome.

Acne can be a side effect of testosterone replacement therapy or of anabolic steroid use.

Acne vulgaris is sensitive to hormonal influences. Historical and physical clues that may suggest hormone-sensitive acne include onset between ages 20 and 30; worsening the week before a woman's menstrual cycle; acne lesions predominantly over the jawline and chin; and inflammatory/nodular acne lesions.

Effective 500 Watt, Low-Level Laser Blue Light Treatment

- Non-invasive
- Non-topical
- Non-thermal
- Non-collimated
- Non-ionising
- No burning
- No scarring
- Chemical-free

- Hands-free operation
- No body contact
- · No disinfection time
- No hand pieces to maintain
- Visible results after a few sessions
- Wide exposure for full face and back
- Low operating expense of 1.2 cents/minute
- Safe and effective with no complications



Manufactured in Canada, Health Canada licensed under MDSAP, ISO 13485-2016 quality management. IEC 60601-1-2 EMC/EMI approved, CSA/NRTL certified. Protected by multiple US and Canadian patents. Read manual before using. Not tested on pregnant women. Epilepsy sufferers should not use this device.

Near Infrared





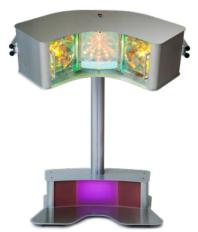
Multiple Systems for Local or Full Body Exposures

The Near Infrared spectrum of light is best known for it's capability to permeate deeply into the tissues of the body. Tanses has adapted it's expertise in high pressure quartz lamps to create a line of medical light devices that can deliver energy into the depths of the skin that are not reached by the current line of LED alternatives.

Medical doctors appreciate the fast recovery times when used for wound healing. Pain management clinics experience quick relief for clients that suffer both acute and chronic pain. Cosmeticians notice dramatic improvements in the texture of skin after a few short treatment sessions. Mens health clinics find that testosterone levels are greatly enhanced after just one treatment while erectile dysfunction becomes treatable without pharmaceuticals. Dental implant patients enjoy a quick recovery as the bone forms a tight solid bond to the tooth.

We are just beginning to discover the many ways Near Infrared light therapy can be used to treat a wide variety of disease.







Near Infrared Light Therapy



Medical Near Infrared Light Working Mechanism For The Medical Professional

Near-Infrared (NIR) polychromatic spectrum has been well studied since 1960s and have been documented through thousands of fundamental research studies to analyze the effects of NIR on tissue repair, rejuvenation and pain relief mechanisms as described in a summary below. NIR photobiomodulation therapy is a non invasive, and highly effective adjunct therapy in the field of

prevention as well as in the cellular regeneration of skin, muscle, and bone tissues.

NIR polychromatic light is emitted by a full spectrum quartz plasma arc light source for its high energy intensity and effectiveness at a distance. The exposure area covers one square foot for each light emitter.

NIR photons easily travel through gauze and moisturizing jell along with clothing, bed sheets and linens before reaching to the patients skin. Effective photobiomodulation wavelengths are employed for the maximum penetration depth to be effective on the fibroblasts in the soft tissue and osteoblasts in the bones.

Non-thermal, polychromatic, near-infrared light of the non-pulsed, non-collimated, non-ionising type can penetrate through the epidermis tissue, resulting in the photons being refracted many times and absorbed by the cell structure to produce the following effects in sequence:

- Dilation of partially obstructed blood flow vessels to transport higher volume of oxygen and nutrients for the initial therapy to begin.
- Cytochrome-C oxidase (COX) is a large trans membrane protein of the inner mitochondrial membrane. Irradiation of COX increases the activity of the mitochondrial respiratory chain producing more adenosine triphosphate (ATP). In addition, COX is auto-inducible and its gene expression is activity dependent, such that NIR irradiation may increase the amount of available COX over time.
- Higher ATP amount triggers viable proliferation of fibroblast cells for increased collagen fibers, elastin and fibrin.
- Antibacterial effects by induction of reactive oxygen species (ROS).

- ROS are involved in cell signaling, enzyme activation, nucleic acid synthesis, protein synthesis, and the activation of transcription factor.
- Anti-inflammatory effects of NIR therapy can be explained by inhibition of prostaglandin, interleukin, and cytokine in cell models.
- Increased platelet activity for faster wound closing.
- Adhesive protein delivery to the inflammation site.
- Quicker re-epithelization for covering the open wounds, scar formation.
- NIR released NO (nitric oxide)induces endothelial cell migration by activating growth factors and improved perfusion.

- Homeostasis followed by ANGIOGENESIS.
- NIR light spectrum also increase the diameter and blood flow velocity of the peripheral arterioles and will enhance the microcirculation.
- Increased speed of mitosis, facilitating cell multiplication to aid in new vessel formation.
- Viable proliferation of fibroblast cells-stimulation of cell division and cell growth of fibroblasts plays an important role in wound healing.
- Polychromatic wavelengths of NIR irradiation have been tested on cellular migration, viability, and proliferation in diabetic wounded and unwounded human skin fibroblast cells.

The main work of the mechanism uses leukocyte proliferation, neovascularization, fibroblastic proliferation and rapid epithelization. All these mechanisms produce rapid closure of wounds and stronger scar formation. NIR also reduce the pain around lesions along with reduced inflammation for the patient comfort.

RX-1 Seat Near Infrared

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Low Level Laser Photobiomodulation

Non-Thermal, Non-Collimated, Scattered Laser Therapy



Cosmetic Uses by Plastic Surgeons:

- Vaginal rejuvenation, treat dryness, pain due to aging, and tighten perineal muscles after childbirth.
- Promotes faster healing and reduces inflammation upon labiaplasty laser surgery.
- Non-invasive alternative to minor laser surgery.
- Reduced hyper-pigmentation in genital and anal area.
- Reduced redness/inflammation/itching in genital and anal area after invasive medical treatment.



For Use in Gyms, Spas, & Physical Therapy:

- Near Infrared phototherapy (NIR), 600nm to 1200nm range for promoting well being and the rejuvenation of cells.
- Pain relief, wound healing, and the prevention of pressure sores by photobiomodulation at the cellular level.
- Reduced symptoms when used for haemorrhoid shrinkage/pain/itching and incontinence.
- Regaining anal sphincter muscle elasticity with multiple uses.
- Pelvic floor muscle rehabilitation for urinary incontinence.
- Reduced minor prostate, urinary tract related pain as an adjunct therapy device.
- Rejuvenation of the penile sponge tissue to resolve erectile dysfunction symptoms of diabetic and elderly patients.
- Improved testicular micro circulation for increased testosterone output; uses in male infertility for increased sperm motility.

RX-1 Seat Near Infrared



Safety Features:

- Thermal shutdown.
- · Current fusing.
- Filter failure instant shutdown.

Specifications & Features:

Dimensions 16 inches by 16 inches by 18 inches high

Aperture 9 inches diameter round opening

Time duration 10/20 minutes, automatic shut down

Reflector type Parabolic, non-collimated

NIR laser power 500 Watts

Lamp life 30,000 minutes

NIR energy dosage 52,000 mJoules/cm2 per day

Operation Sitting down, irradiation through light clothing/underwear

Frequency of use 10 minutes, once or twice per day as long as symptoms persist

Amperage 5.5 Amp @ 120V AC; 3 Amps @ 220V AC

Light source Polychromatic, NIR

Power input 120V AC @ 60Hz; 220V AC @ 50 Hz

Power inlet IEC grounded with EMC filter

Multi wavelengths10 peaks between 600nm & 1200nmPenetration depth3 inches with longer wavelengths

Laser risk No burning, no scars, LLLT

Patient dress code High transmission through clothing

Hands-free operation Can be self-administered **Construction** Stainless steel for hygiene



RX-1 Stand Near Infrared



Wide Exposure, Scattered, LLLT Cold Laser



RX-1 Stand Near Infrared

TANSES TECHNOLOGIES INC.

Non invasive musculoskeletal pain treatment:

- Achilles heel tendinopathy
- Golfers elbow, tendonitis
- Carpal tunnel pain
- Back pain
- Micro ruptured ligaments
- Rheumatoid arthritis pain
- Plantar fasciitis pain
- · Degenerative joint disease
- Neuropathic pain
- Inflammation, lymphoedema
- Soft tissue disorders
- Orthopedic post operation



Specifications & Features:

NIR Laser Power 500 Watts, uniformly scattered

NIR Energy Intensity 52,000 mJoules/cm2

Multi Wavelengths 10 peaks between 600nm & 1200nm

Exposure Area 178 square inches — largest ever

Penetration Depth 3 inches with longer wavelengths

Short Treatment Time 10 to 20 minutes

Non ContactNo hand piece disinfection time

Hands-Free Operation Can be self-administered

Laser Risk No burning, no scars, LLLT

FDA Classification NHN cold laser for soft tissue

Patient Dress Code High transmission through clothing

Lowest Lamp Cost 1.2 cents/minute



RX-2 & RX-3 Near Infrared

TANSES TO TANSES TECHNOLOGIES INC.

- Two-lamp and three-lamp modules, enhanced shape provides greater coverage.
- Ideal for salons, spas, doctors, dermatologists, wellness centers and gyms.
- Stand-alone or converted horizontal use on a spa mattress.

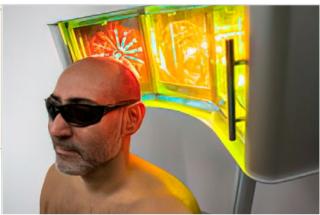












THY-Scanner Near Infrared

TANSES TECHNOLOGIES INC.

Spectrum infared healing light has a multiple array of benefits to improve your skin's appearance and your lifestyle!



The high beams of THY-SCANNER light penetrate almost 1" under the skin's surface to reduce risk of strain, helping to effectively eliminate lactic acid build-up. THY-SCANNER will dilate capillaries and increase blood flow circulation allowing improved training results and accelerated tissue regeneration after work outs.



For Use in Gyms, Spas, & Physical Therapy:

- · Reducing cellulite.
- Getting great lymphatic drainage.
- Stimulating fibroblasts allowing natural collagen build-up for firmer skin, progressing to a long-lasting layer of elasticity.
- Shaping legs while tightening skin for silky smooth thighs and calves.
- Eliminating stretch marks, age spots and old scars.
- Eliminating uneven pigmentation from sun damage.

THY-Scanner Near Infrared





Features:

- Easy to program, the portable THY-SCANNER rolls near any gym equipment, treadmill, elliptical trainer or vibration unit.
- Improve your workout while reducing risks of injuries.
- Reduce muscle recuperation time and manage pain caused by lactic acid.
- THY-SCANNER has a very small footprint for high revenue per square foot of space.
- Patent awarded oscillation motor allows gentle scanning of the legs at one RPM.
- Low power consumption costing only 4 cents of electricity per 15-minute session.
- Low maintenance, easy lamp replacements.
- All stainless steel and durable anodized aluminum construction with 10-year extended warranty program.
- Available finance & lease-to-own options with 0% interest for approved customers.



Caution: Do not look directly at the lamp without wearing eye protection. Do not use this device without your physician's approval. Consult your pharmacist before using this device, as some medications may be photo reactive. Not tested on pregnant women. Conforms to CSA/NRTL/ANSI standards UL1431 as well manufactured according to 150 13485-2016 qualify controls. FDA Class -2 cleared under physical medicine. Manufactured in Canada by Tanses Technologies Inc. Licensed by Health Canada as a class-III hospital grade medical device.

RX-6 Full Body Unit Near Infrared





6 Oscillating Quartz Plasma Lamps

The quartz difference. Skin Science that works!

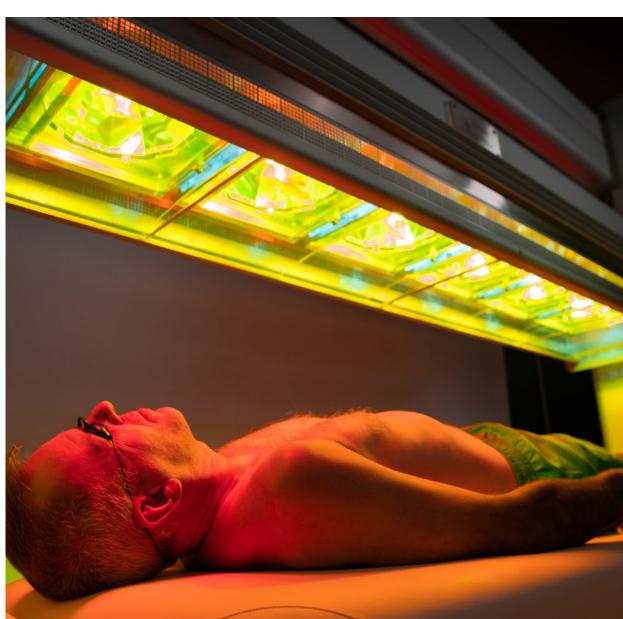
- All new Plasma-arc technology delivers high energy infrared wavelength rays that are both powerful and ultra safe
- Quartz spectrum rays reach a dermal depth greater than any system and up to and ten times more powerful than traditional LED systems
- Infrared light has been listed in many scientific studies as it "penetrates deeper for lymphatic drainage, fibroblast stimulation for all natural collagen and elastin production while reducing inflammation from other invasive aesthetic procedures"
- Ideal for spas, doctors, dermatologists, physiotherapists, professional massage therapists, holistic therapies, wellness centres, weight loss centres and gyms
- No UV emissions, output is certified by spectral radiometer testing
- Intensity of treatment and coverage area is adjustable by remote control electronic height adjustment
- Hot spot elimination is achieved by utilizing an oscillation type mechanism to scan the clients body every 15 seconds side to side
- RX-6-treatments will encourage positive improvements in the users complexion
- Deep penetrating heat and powerful bright light ambiance has been very effective for improved well being in the majority of users

RX-6 Full Body Unit Near Infrared





- Salons, spas and high end gyms utilize deeper penetrating heat as part of their relaxation and anti-aging benefits that includes rapid pore size reduction and skin tightening resulting in a younger looking, glowing skin.
- Session time is 20 minutes which can be divided into both sides of the body.
- Fully anodised aluminium and stainless steel body is easy to keep sanitary for clients.
- Recommended by dermatologists and oncologists.
- NIR Laser Power: 3600 Watts, uniformly scattered.
- NIR Energy Intensity: 52,000 mJoules/cm2.
- Units Dims: 20 inches x 35 inches x 80 inches
- Voltage: 220V AC



SF-8 Vertical & Horizontal





Frequency Therapy for Home or Clinic

Our most affordable Ultraviolet A/B low pressure solar therapy system can be used as a separate stand-up unit or in conjunction with a full size bed or massage table. Combine with PEMF therapy to emulate the frequencies of the Earth & Sun.

- 8 lamps of UVA & UVB spectrum
- 800w total (8 x 100w)
- Foldable, height and tilt adjustable
- Mobile on casters or can be mounted to a wall
- Versatile, adaptable to multiple uses
- Stainless-steel body panels compliment all types of decor
- Power Inlet: EMC/EMI filtration at the power inlet

- Structure: Durable high quality metal (anodized aluminium)
- 32.5 inches wide by 75.5 inches exposure area
- 80.5 inches total length, 36 inches high
- 8 inches wide when used as horizontal canopy unit
- Power Input: 120V AC, 60Hz; available 220V AC 50Hz version
- Amperage: 5.0 Amp







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