the OLS group

Corporate Profile



Building Partnerships,
Creating Solutions.

About OLS

OLS Manufacturing was incorporated in 1973 and began as a manufacturing company in Singapore. Today, OLS boasts strong business ties with many countries in the world and enjoys a strong reputation in the industry.

OUR MISSION
Creating solutions for the maintenance of good and safe indoor environments, with the aim towards healthy living and wellness.

COMPANY VISION
Our vision is to place emphasis on continual product improvements and every aspect of our business to become the highest quality producer in every market we serve.

At OLS, we work together to bring you



Comfort
Indoor air-distribution & noise control

Safety
Indoor fire & smoke control

Clean Air
Indoor air cleaning & scrubbing

Wellness
Electric health therapy



OLS ORGANIZATION

OLS Manufacturing
(Singapore & Malaysia)

- Perform continual Research and Development functions to create high performance products
- Provide clean-air solutions to indoor environments using super high performance air cleaners

Connols-Air (S)
(Singapore & Thailand)

- Provide comfort solutions to indoor environments using air distribution and energy-saving terminal control devices
- Provide building safety using fire and smoke control devices
- Provide engineered solutions to special environments such as clean room applications

Zone Master

- Actively provide health and wellness solutions with a range of therapy equipment designed to maintain a balanced state of our body, necessary to maintain good health

VI-SON Acoustics

- Provide noise and vibration control solutions to indoor environments with the use of vibration and noise absorbers

OLS Quality Policy & Objective

We are committed to manufacturing and supplying high quality products. We ensure the reliability of our products and committed service to our valued customers at a competitive price.

We intend to achieve this through the provision of training, maintaining utmost standards and control in our manufacturing processes and work method.

VAV Terminal Units

COMFORT
Connols- Air & Vi-Son Acoustics

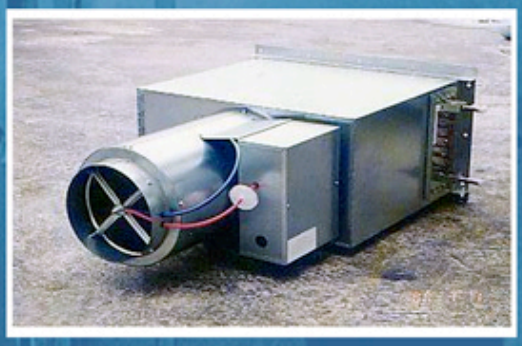
We feature a full range of single duct, fan-powered and induction type VAV and single duct CAV terminal units for all commercial and industrial applications.



Ensures accurate room temperature control and proper room air distribution

VAV terminal units continuously monitor the room conditions and control just the right amount of air required to the space it serves.

With its true averaging flow sensors, it is able to control precisely the air flow to the room regardless of fluctuation in upstream duct pressure.



Available with electric or hot water reheat

Sound Absorbers

VI-SON Acoustics features a variety of noise and vibration control products that include silencers, jet fans, acoustic enclosures, doors, louvres, absorption panel, spring and neoprene isolators.



Circular silencers for HVAC



Rectangular silencers for HVAC may be constructed of steel or stainless steel



Jet-fan silencers are used directly coupled to jet fans for use in tunnel ventilation systems.



Design and installation of acoustic treatments on a power station. Panels, doors and silencers used.

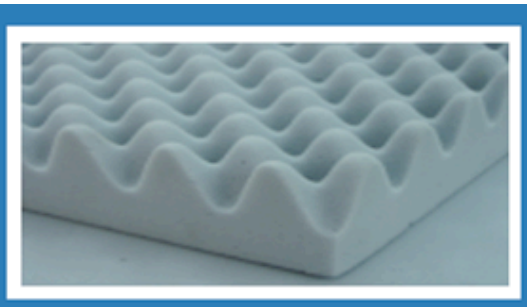
Acoustic louvres may be used for ventilation systems. May be made of steel, stainless steel or aluminium





Acoustic enclosures designed to contain noise

COMFORT
Vi-Son Acoustics Foam & Wall Upholstery



VI-SON Acoustics foam *is a unique, flexible, open cell foam derived from melamine resins and exhibits superior characteristics such as good sound absorption, light weight and fire resistance.*

High heat resistance makes it ideal for high temperature applications such as vehicle engine compartments. When exposed to either naked flame or extreme heat, it does not emitt any toxic smoke which is the major cause of death in a fire.

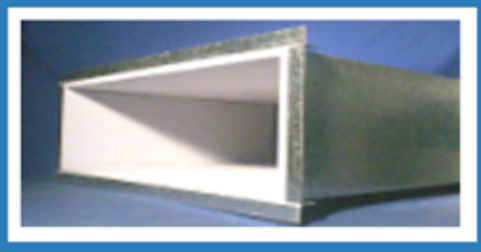




Flat or contour sheets may be used on the ceiling or wall without additional finishing or protection. The foam may be used with upholstered wall system to create acoustcially decorative walls and ceilings.

Flat sheet foam is also an excellent material for internal lining of sheet metal ducts in air conditioning, heating and ventilating systems.

It is easy to install and effectively reduces fan noise. Due to its low emission and errosion resistance, the use of this foam significantly improves the indoor air quality of the building.



The foam may be installed behind perforated ceiling



Acoustic Baffles as an acoustic solution to noise



VI-SON Acoustics baffles are designed to hang from the ceiling in open spaces to prevent noise build-up which interfere with speech intelligibility.

SAFETY trust yours with us.

PROTECT LIVES & PROPERTIES with EFFECTIVE FIRE AND SMOKE DAMPERS!

Modern building interiors are made up of large quantities of combustible materials and furnishings that produce toxic gases in a fire.

Under fire, toxic gases quickly force their way to other parts of the building through ventilation ductwork. Toxic gases are the primary cause of death of at least 80% of recorded fire victims. A well designed fire prevention system must include effective fire and smoke barriers to prevent the spread of fire and control movements of toxic smokes.

Fire resistant tests of OLS fire dampers



OLS Curtain type fire damper

OLS Motorized fire damper



Pneumatic operator with handwheel manual override





OLS Smoke dampers meet Class I Leakage to 2000 Pa and 250°C for 2 hours to Underwriters' Laboratory Standard UL555s.



Electric operated tunnel ventilation damper with handwheel manual override designed for and tested to 250°C, 6 kPa pressure and capable to provide air tightness of 99.99% leakage at 100 Pa pressure differential. May be pneumatic operated.

Maintaining comfort, good health & personal well being

CLEAN AIR



Indoor environments such as homes, office and even medical facilities have considerable amount of air pollutants in them. Prolonged exposure to polluted air could trigger many different medical conditions.



Schools are particularly susceptible to health problems relating to indoor air quality due to the occupant density of classrooms. Since children spend most of their time in schools or home, it is important to reduce their exposure to pollutants as much as possible in each of these environments.

Multifunction-ion technology

removes more than 99.5% of particles in the air and is especially efficient at removing nano-sized ultra fine particles

GENANO STAND ALONE AIR CLEANER

is well- suited to be a quick air-cleaning remedy in spaces where existing impurities in the air result in symptoms of illness exhibited by its occupants.

The GENANO 1000 series air cleaning units, using Multifunction-ion can be used for unlimited air volumes in both new and renovated buildings.



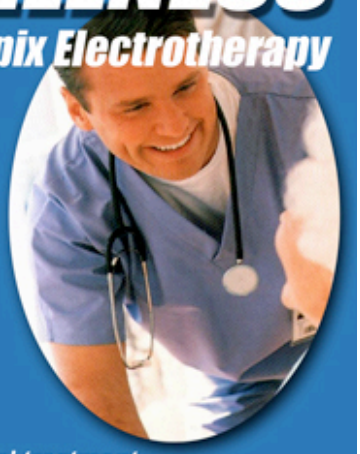
Advantages of using Genano air cleaners:

- ✔ Cleaning efficiency of almost 100%
- ✔ Fewer asthma and allergy symptoms
- ✔ Maximised work efficiency
- ✔ Efficient air-cleaner (removes particles ~0.003µm)
- ✔ Lower cleaning costs
- ✔ Easy to use
- ✔ Automatic self-cleaning
- ✔ Environmentally friendly
- ✔ Use not restricted by humid air

SHENPIX

WELLNESS

Shenpix Electrotherapy



Shenpix's electric potential therapeutic device imparts an alternating current potential to an electrically insulated human body, thereby surrounding the body with an electrical field that has a beneficial effect. The electrical field created by the Shenpix apparatus stimulates the skin's sense receptors via nerves. This stimulation ultimately acts on the body's regulatory mechanisms such as the autonomic nervous systems or the brain.

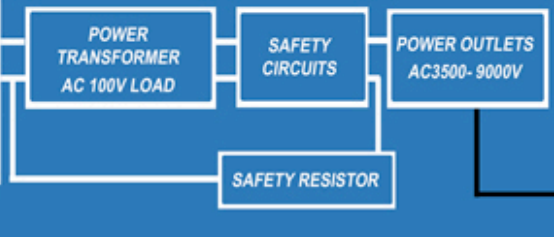
SHENPIX therapy apparatus can be used either for general/systemic or local/regional treatment.

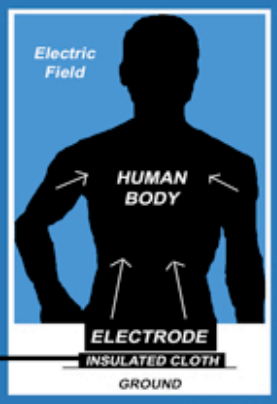
General/Systemic use:

> Treats the whole body through an electric field
> Effects start appearing in a couple of weeks as adjustment of autonomous and endocrinal system occurs.
> Electric current introduced causes cell interaction
> Cell Metabolism promoted
> Recognized effects:
- decreased headaches
- decreased stiffness of shoulder region
- decreased insomnia & constipation



General use of the Shenpix NX9000





the NX9000

Local/Regional Use

This method uses an electronic pen probe placed directly on the skin surface (or through thin clothing) carrying an electric load of AC800-9,000V.

> electrically stimulate regions of the body such as the lumbar and shoulder regions
> activate the skin and muscle tissue which receive that stimulation.
> Recognized effects:
- marked and immediate effect on stiffness of joints
- Regional application to abdomen, lumbar region, snd shoulders
alleviation of systemic fatigue





the Shenpix Therapy Apparatus

is designed for home and corporate use

It features user-friendly interface so that any member of a household can readily use it. The NX9000 achieves a high effective voltage of 9000 volts. The intensity of the output can be adjusted to 12 different levels, and its multiple options are suited for a wide variety of treatments.

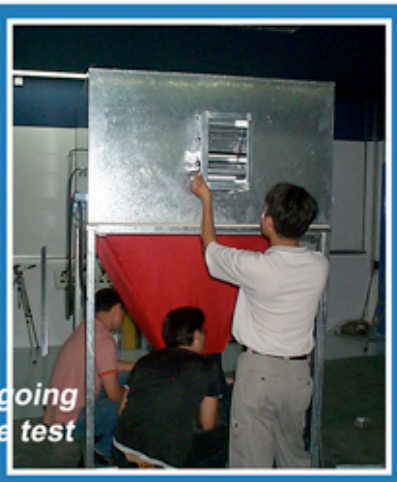


Research & Development

At OLS, research and development play a vital role in ensuring we stay ahead of the field in the development of our products. Hence, we have invested in R & D personnel and an in-house laboratory consisting of an Air Distribution Chamber and a Reverberation Chamber designed for our product testing.



The reverberation chamber met the requirements of the ISO Standard 3741 and is the only one in this region. These facilities will enable us to realise our mission to provide better solutions for the creation of clean and healthy working and living environments for all mankind.



Fan filter unit undergoing airflow and pressure test



4-hours fire resistant test on fire damper of size of 2400 X 3360mm



Operation test on tunnel ventilation damper



Pan-type diffuser undergoing air distribution test



VAV performance testing



Smoke damper undergoing 250°C heat resistant test



Fire damper subject to hose stream test after fire test





FACILITIES

Singapore plant with total factory area of 54,000 ft2 and built-up floor area of 36,000 ft2







The latest CNC sheet metal processing equipment ensures our product parts are dealt with precision to produce the best quality end product.







REVERBERATION



In-house Reverberation Chamber.



Air Distribution Chamber

Our in-house VI-SON Acoustic Laboratory include an Air Distribution Chamber and a Reverberation Chamber designed for our product development testing. The reverberation chamber met the requirements of the ISO Standard 3741: Acoustics - Determination of sound power levels of noise sources - Precision methods for broad-band sources in reverberation rooms.



Malaysia plant with total factory area of 40,000 sq. ft and built-up floor area of 25,000 sq. ft



the OLS group



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