

# MAGNETIC TECHNOLOGY

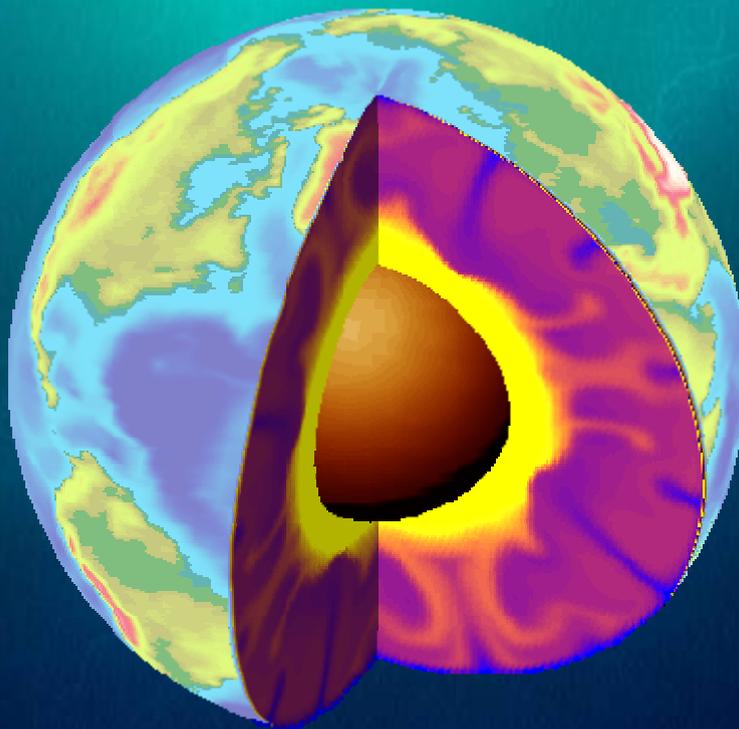
*From Nikken, the world's leader  
in wellness technologies*



**Magnetism: indispensable for life, a  
fundamental force of the universe.**

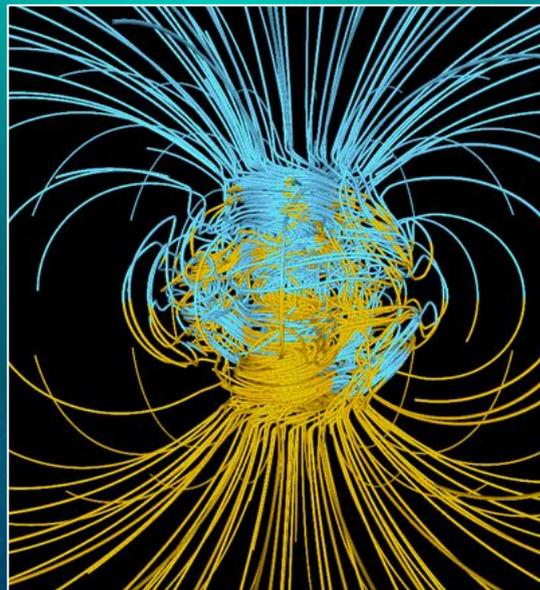
# The Earth's Magnetism

- The centre of the Earth consists of a core made up of iron, nickel, uranium and thorium fused at a temperature of  $6000^{\circ}\text{C}$ .
- As the earth turns, the liquid external core turns around the solid internal core at a different speed, thus creating the magnetic field of the Earth.
- This magnetic field is essential for life on this planet.



# The Problem

- The magnetic field of the earth has decreased considerably over the centuries, and as much as 10% in the past 150 years
- Its effect is further reduced by reinforced concrete buildings, elevators and automobiles.
- In addition, our bodies are negatively impacted by the adverse electromagnetic fields from computers, microwaves, high power transmission lines, etc.



**Without the proper magnetic influence, our bodies are not as healthy as they could be.**

# The Influence of Magnetism on the Human Body

- Life depends on influence of the magnetic field of the Earth. All of our organs and each one of our cells are magnetically charged. The proper functioning of all life is controlled by magnetism.
- The human body is 70 to 80% water, and magnetism has a profound effect on this element.
- Magnetic therapy can relax tense muscles, relieve muscular and skeletal pain, and accelerate the body's natural healing process.



**Magnetism is vital for Life**

# How Magnets Work

Several theories have been proposed, but the end result has tended to fall into the following categories:

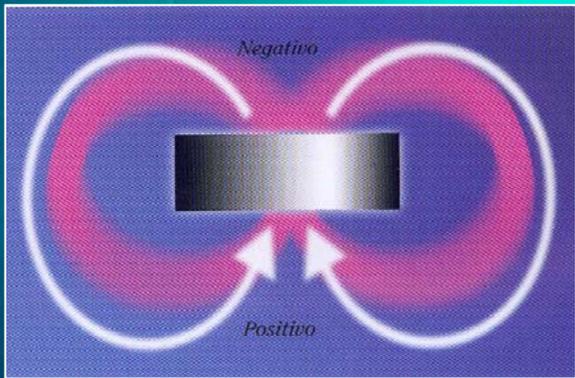
- »relief of pain and inflammation
- »stimulation of tissue
- »increased blood circulation
- »increased oxygen to the tissues
- »rehabilitation

From the standpoint of biophysics, magnetic therapy polarizes anions and cations. That is, the tissue salts are brought from a state of inactivity and stagnation to order and alignment within the cells and tissues. Injury depolarizes damaged cells. Magnetic stimulation gets the tissue fluids flowing again, waste products are removed, edema and congestion are regulated, and so cell metabolism soon reverts back to normal.

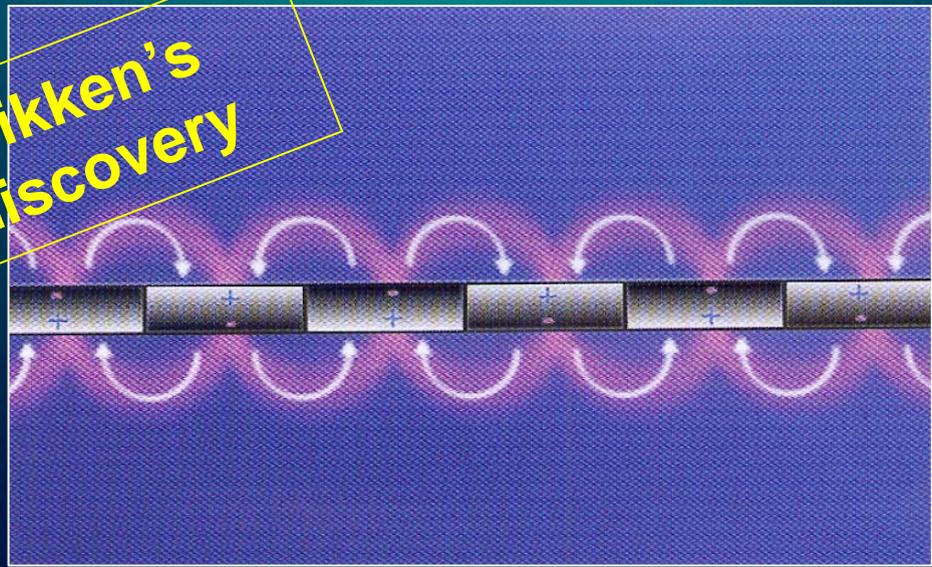
**Over 4,000 medical and scientific papers have been published on the use of magnetics**

# What is a magnet?

Each magnet has 2 poles, positive and negative, which work together to complete a magnetic circuit. Invisible lines leave the negative pole of a magnet and seek the positive pole. The energy created by these invisible lines is called a magnetic field.



**Nikken's discovery**



**Bi-polar magnetic field**

# Nikken's ongoing research

In over 30 years of research, 6 generations of magnetic patterns have been introduced to create the most uniform magnetic surface possible.



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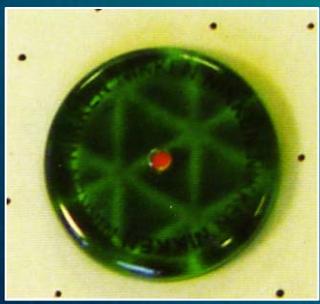


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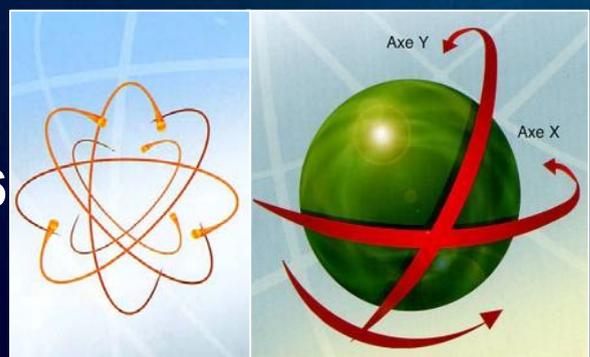
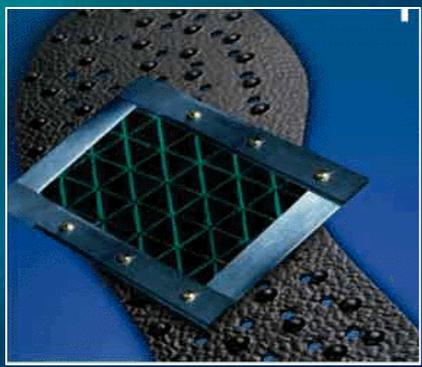
## Patterns now used in Nikken products



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EQL technology



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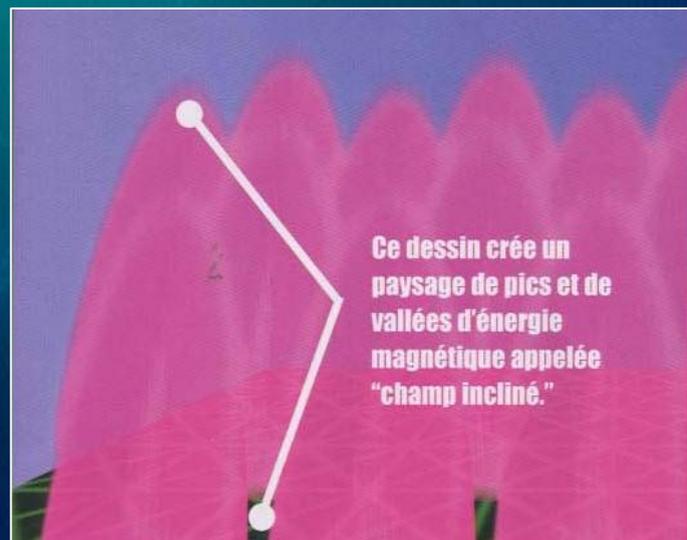


Bi-axial magnetic rotation



# The Advantages of EQL technology

- The equilateral (EQL) triangular magnetic configuration creates the most uniform magnetic field possible, thanks to the identical  $60^\circ$  angles in the pattern.
- Nikken's EQL pattern creates what is called a « steep field gradient » that delivers an even, effective, and safe magnetic force to the body.



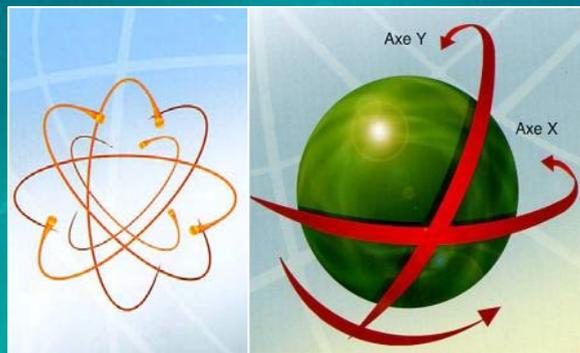
# Nikken's EQL Magnets

- Patented—available only from Nikken
- The state of the art in magnetic design
- Equilateral—every side and angle equal, for perfectly consistent and uniform coverage
- Magnetic flux lines travel in multiple directions
- Requires precision manufacturing and quality control
- 100% Magnetic coverage—a Nikken exclusive!
- A variety of shapes and sizes
- 400 to 1600 gauss
- Most Nikken magnetic products also include Far-Infrared Technology technology to create a synergistic benefit

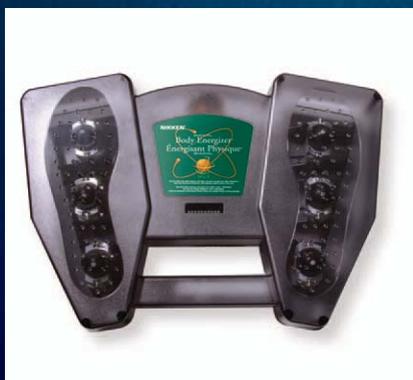


# Biaxial Magnetic Rotation

— a revolution in magnetic research



- Biaxial rotation uses a revolving magnet, that also rotates on a second axis.
- This produces a magnetic field that constantly changes its angle, up to 25 times per second. The result is a magnetic field that is essentially three-dimensional — and constantly points the magnetic poles in all directions.
- The magnetic field is active in three dimensions because the biaxial technology operates in four. The continuous motion adds the dimension of time.



# Magnets and the Nikken Sleep System

The Nikken sleep system contains a large number of strategically placed magnets in the bed, comforter and pillow. This generates a magnetic cocoon that is the ideal strength for the human body as it mimics the magnetism at the surface of the earth..



**It is at night that the body recharges its magnetic energy.**

