

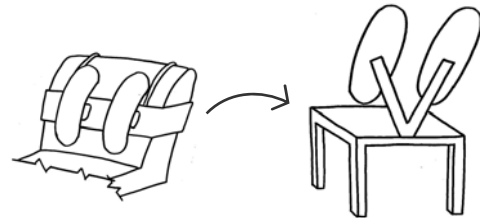
 **DUOREST<sup>®</sup>**  
The Real ERGONOMIC Chair



*DUOREST® - The Real Ergonomic Chair!*



30 years ago, a German Physics Professor, Dr. Matthias Brunig, added two back support cushions to his car seat because of his back pain. The two cushions provided support to the human body, distributed the person's body weight and minimized stress on the back — and that was the origin of "DUOREST".

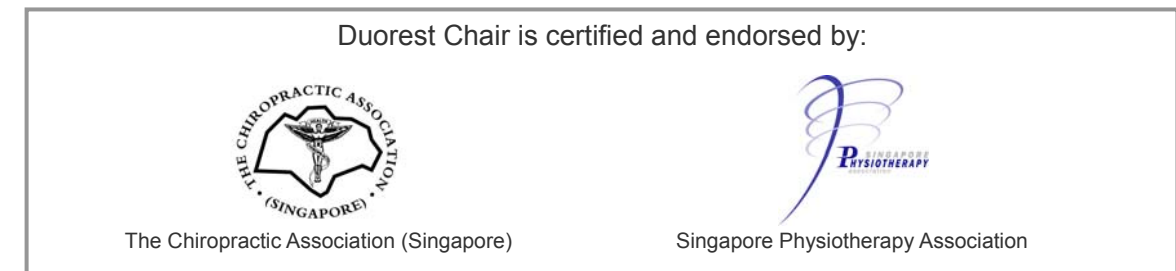


One of the listed companies in Korea, Duoback Korea Co. Ltd., has its own manufacturing plant at Incheon of South Korea and is devoted to producing sophisticated ergonomic chairs that have obtained many patented designs that benefit customers around the world.

- 1987 – Founding of Haejung Co. (The former Duoback Korea)
- 1989 – Patented pivoting split back pads were created by GRAHL Germany and launched under the name of "DUOBACK®"
- 1994 – DUOBACK won the Gold Medal at the 22nd Salon International Des Inventions in Genève.
- 1995 – DUOBACK was produced and marketed in South Korea under licence.
- 2002 – The manufacturer in South Korea was renamed DUOBACK Korea Co. Ltd.
- 2004 – DUOBACK Korea Co. Ltd. acquired the design patent of DUOBACK from GRAHL Germany.
- 2005 – New trade name "DUOREST" was introduced for export market.

*Revolutionized the Way You Sit Since 1987!*

The DUOREST® ergonomic chair is created with worldwide patented technology and has been sold in many countries, like Japan, Singapore and Australia etc. for many years. Its ergonomically contoured and separate dual backrests are designed to effectively reduce fatigue on your back and improve your spinal health. Together with adjustable armrests and seat height that fit all body shapes and sizes, DUOREST is the Real ergonomic chair you can't afford to miss out on!









*DUOREST® Features*

- Armrest Height and Width Adjustment**  
 By adjusting the height and width of the armrest according to the user's work conditions and physical structure, it relieves the pain on shoulders, elbows and wrists.
- Headrest Height Adjustment**  
 Adjust the height of the headrest to fit the user's physical structure so as to minimize stress on the neck and maintain stable posture and comfort.
- Backrest Adjustment**  
 According to the shape of the users, they can adjust the height and width position and thus be personalized to fit the contour of any body size and back.
- Tilt Adjustment**  
 By adjusting the angle of the chair, you can disperse your body weight to the back of the chair and reduce the load on the cartilages between spinal discs.
- Seat Height Adjustment**  
 Users can adjust the height of the seat according to their own heights or the height of the desk to achieve maximum comfort.
- Tilt Tension Adjustment**  
 By adjusting the tilt tension according to weight and need, users can minimize the pressure on their back.
- Urethane Casters**  
 Six durable casters roll smoothly and silently without scratching the flooring.
- Triple-Y Base System**  
 Unique 6-wheel footrest base provides excellent stability in reclined position and convenient support at any rotating positions.

## DUOREST® Models

DUOREST has a wide range of models and colors. The followings are the major models promoted in Hong Kong. For enquiries on other models, colors and additional accessories like headrest etc., please call our product hotline at 2881-8270 for details.

Model	Remarks
 α80H(E)	Colors available: Black / Blue Material: Mesh  <i>Suitable for body weight over 150 pounds.</i>
 DR-250G	Colors available: Black / Dark Blue Material: Artificial leather  <i>Suitable for body weight over 150 pounds.</i>
 DR-290	Colors available: Black / Dark Blue Material: Artificial leather  <i>Suitable for body weight below 150 pounds.</i>
 DR-289SG	Colors available: Vivid Green / Vivid Pink Material: Artificial leather  <i>Suitable for children with age 2–12 and body weight below 120 pounds.</i>
 DR-920T	Colors available: Black Material: Artificial leather
 DR-910	Colors available: Black Material: Artificial leather

## DUOREST® Theory

### 01 Rucksack Massage Effect

People walking with rucksacks feel less fatigue than those without, as their back muscles are supported and continuously massaged by the weight of the rucksacks. With its ergonomically designed, highly supportive backrests and flexible dual backrest mechanism, DUOREST offers similar massaging effect on your back while you are sitting.

### 02 Dynamic Sitting

While sitting on a chair, people unconsciously move their bodies to lessen muscle strain and fatigue. DUOREST's ergonomically contoured backrests and flexible dual backrest mechanism are designed to support your back comfortably in all the directions that your body moves towards, enabling freer movement on the chair.

### 03 Your Customized Chair

DUOREST parts can be easily adjusted to accommodate individual body requirements. To enjoy sitting comfort, adjust your seat height, headrest height, backrest height and width, armrest height and width, tilt tension and tilt lock angle position.


### 04 Ergonomic Design

DUOREST's ergonomically contoured, separate dual backrests and hip & thigh line contoured waterfall-edge seats are designed to effectively reduce fatigue on your back, spine and thigh, by dispersing pressures with maximized contact areas between your body and chair.



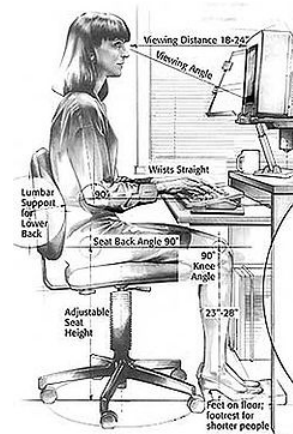
*What is "Ergonomics"?*

**"Ergonomics (or human factors)** is the scientific discipline concerned with the understanding interactions among humans and other elements of a system, and the profession that applies theoretical principles, data and methods to design in order to optimize human well-being and overall system."

Official definition by:  
International Ergonomics Association Council 

Ergonomics comes into everything which involves people and is the practice of *adapting the work to fit the person*. It is also the applied science of equipment design intended to maximize productivity by reducing operator fatigue and discomfort.

The typical situation is our *work-station*, which includes chair, desk, document holder, computer keyboard and mouse etc. Applying *ergonomics* in the workstation reduces the potential for injury and poor health, such as aches & pains of the wrists, shoulders and back. *ERGONOMICS programs have been proven to be effective in increasing productivity and morale, and improving the quality of work.*

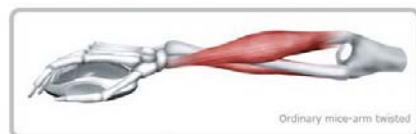
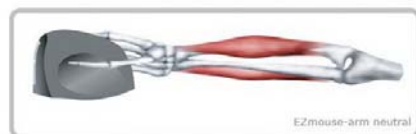


*MiniCute EZMouse*

We have spent a lot of our time using computers and the mice are our primary tool for interacting with and controlling our computers. In fact, we move the mouse over 500 meters on average every day. Intensive use of computer mice may cause hand, wrist and forearm muscle stress and pain, or even Carpel Tunnel Syndrome (CTS) and Repetitive Strain Injuries (RSI) in some serious situations.

The vertical design of EZMouse supports the hand in a naturally sloping angle that places the wrist in a neutral position, thus reducing the injuries.

The difference in forearm muscle movement by using ordinary and EZMouse.



The overview of EZMouse.



*MiniCute Adjustable Keyboard*

The adjustable ergonomic keyboard allows you to adjust the two alphanumeric sections both horizontally and vertically to suit your individual body requirements and thus properly straighten the wrists and arms while aligning with the shoulders. This helps you assume a more natural typing posture that is conducive to improving comfort and productivity compared with using ordinary keyboard.

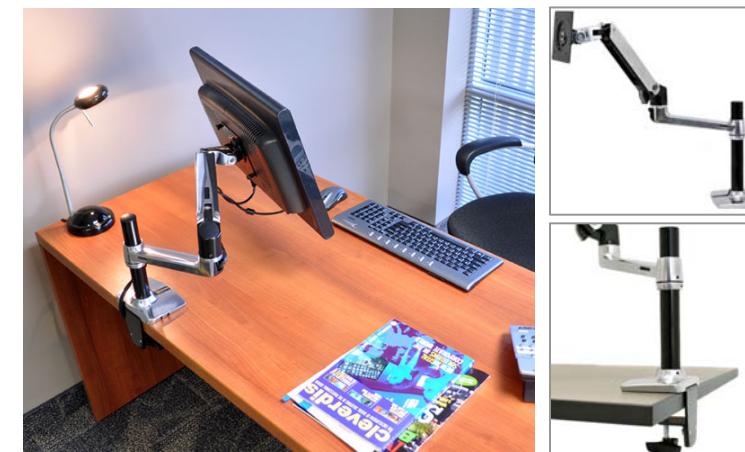
MiniCute Goldtouch adjustable keyboard



*Ergotron Digital Display Mounting Products*

With a human-centered design, each Ergotron product adapts technology to the varying physical needs of individuals, creating an environment that promotes wellness while improving productivity and efficiency. With the introduction of patented Constant Force (CF) lift-and-pivot motion technology, Ergotron's products require less user effort to achieve more ergonomic motion for a healthier and more interactive user experience when viewing any digital display.

Ergotron desk-mount LCD arm with tall pole.



## IMPACT School Bags

Children between the ages of 6 to 14 are typically in their formative years. Many parts of their body are not fully developed and more vulnerable to injury, especially their spine. Nowadays, children always carry heavily loaded school bags which cause back pain, neck and shoulder aches, as well as muscle strains. In the long run, it may lead to improper skeletal and muscle development and poor blood circulation etc.

IMPACT ergonomic school bags designed with padded shoulder straps, well distributed compartments, user-friendly pull tabs that ensure the children's comfort and reduce back and neck injuries.



**Endorsement**  
IMPACT school bags endorsed by International Spinal Institute.



**Safety**  
3M Scotchlite reflective materials are used for better safety at night and low light conditions or places.



**Protection**  
Patented back-care systems can best fit child's back and spine area to correct posture.



**Ventilation**  
Well ventilated cushioned grooves backing and padded straps provide stress free support and comfort to child's shoulders and back.



**Stability**  
Detachable waist belt stabilize the bag's swinging motion and bring the bag closer to child's back and waist area which effectively redistribute the load evenly.



**Organization**  
Compartments with inner suspension straps & non-slip base hold books in vertical position and stabilize overall bag gravity.

Q: The various parts of the Duorest chair are all adjustable but what would be the right adjustments for me?

A: It is simple. Whatever adjustments that make you feel most comfortable.

Q: I do not normally sit leaning back. In fact, I lean forward when I work. The Duorest design would not help me at all.

A: First of all, leaning forward in a chair increases intradiscal pressure on your spinal cord by as much as 900%, compared to lying down and doubles that of standing. If you have to lean forward to work, your work environment needs to be changed, e.g. the monitor and desk height to be adjusted etc. The ideal sitting position is at various angles of incline, which has been demonstrated by most of the scientific studies on sitting posture in the last 30 years.

Q: Why do the children chairs have this extended footrest?

A: This is because a child may use an adult size desk from time to time and the footrest comes into play then. It can be removed or adjusted easily to suit changing needs.

Q: Is the children chair only for children?

A: No. It is also suitable for adults with its height under 170 cm and weight under 120 pounds. Although this model has a footrest, it can be removed for adult use. However, it is recommended for customers to try sitting on the chair before purchase.

Q: Is there anything special with DR-290? Why is it named the "Lady" series?

A: The "Lady" series is specially designed for female users. Taking into consideration the way they sit, this series adopts a flat seat instead of a convex seat, which is used for the other series to prevent women from having to separate their feet when sitting. However, it is also suitable for users with their height within 170cm and it is recommended that they try sitting on it before purchase.

Q: How to clean my Duorest chair?

A: Use dry cotton cloth to clean the surface of the chair. If there is stain, use cotton cloth with lukewarm soapy water to wash the stained surface and use dry cotton cloth to wipe until dry. Do not use cleaning products containing benzene or alcohol.

Q: How come my chair gives a 'clog' sound when I sit on it?

A: It is due to the environmental factor. If the weather is too dry, the lubricant between the movable metal parts will be dried up. When you sit on the chair, the parts touching each other will emit a "clog" sound. A small amount of lubricant can be added to the conjunction of the metal parts in order to eliminate the sound.



Sole Distributor of Duorest Chair in HK:  
**Total Nutrition Center Ltd.**  
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Website: [www.tnc.com.hk](http://www.tnc.com.hk)