Ergonomic Design

An Idea a Solution

Art and Creation of Smart Spaces

GT

ERGO SEATING

ERGONOMIC DESIGN

ERGONOMIC CHAIR


Laya

Clients Comments Around The World

Dear Mr. Tan and
Sharon @ Mark
thank you a lot
for the chairs,
quality very good
more than 4 years
working with you no
any problem happy
and Nice people
Thank Rafael.

We are very happy
with the Gaotian chairs.
we have purchased 2
containers of the GD-0235
and we have had no problems.
Mark has been great to
work with!!
Monte Knudson U.S.A.
Thank you very much—

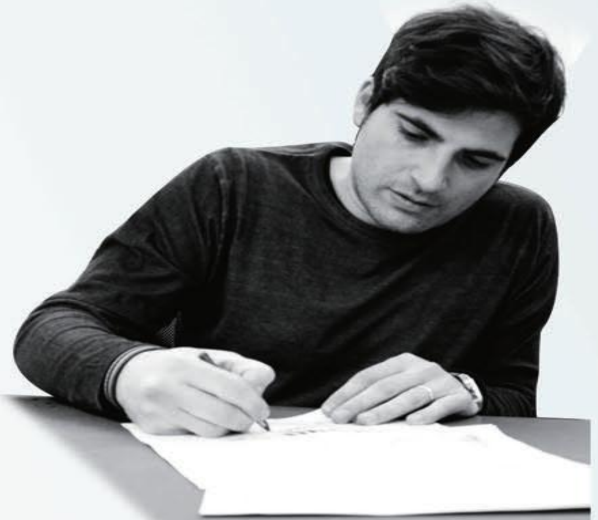
Gao tian Ergo Chairs
are so comfortable !
RENATA ANDRADE

I HAD REALLY GOOD TIME
TODAY, AND FOR MY OPINION
THE BEST MODEL OF THE CHAIR
IS LAYA.

Dear Mark and Wei
I am very happy to see
you again in China, and
I hope make good
business many many
years ~~ago~~, and continue
being good friends.
Thanks for your
support and friendly.
HENRY HUAMANI E.
TIZIANNI PERU SA
CEO - GENERAL MANAGER

Very friendly service.
Trust we will be your
first dealer in South-Africa.
Ali, Endria & Natasha
South-Africa
Johannesburg.

To MR THANG:
I like your high quality products.
Hope we can work together. In the
future.
From S.I.G.
Tonka.
MALAYSIA.



من امير قطر تحياتكم
دمتم بخير وتمنياتي لكم بالتوفيق
أول اوردر كان من شركتكم كان كرسي
الكراسي فاخرة
٢٠١٣ /٩/١١
From Amir from Qatar
good Luck
The quality of your chairs
was very good
First order was
For AL JaZZera
Tv chanel
11/9/2013

3 Years Before our this
Year the More & More.
relationship
Very Good Hospitality
From The Company.
and From The Manager
This First Time We Met
Business
I Feel. It's Great
People
Thank For all.
14.9.2013 NASCO Kuwait

Shanghai, sept 12th 2013
Nice chairs, nice people

Excellent Paddle Shift Control Armrest

The gear shifting paddles of the Formula one racing bring convenient and efficient operation to drivers, which is a leap in the auto industry. Gaotian adopts the design concept of the gear shifting paddles of the Formula one, setting up the operating switches of ergonomic chairs seat height adjustment and backrest tilt adjustment on the lower side of the armrests in order to make users can adjust the frequently-used functions in a simple, quick and convenient way without changing the sitting position within 0.32 seconds,which is 8 times faster than normal chairs.

The height control button of the paddle shift armrest is imitated the operation button of the warplane lever, putting it in front of the armrest to make users operate easily and enjoy the operating pleasure from Gaotian Ergonomic Chairs.

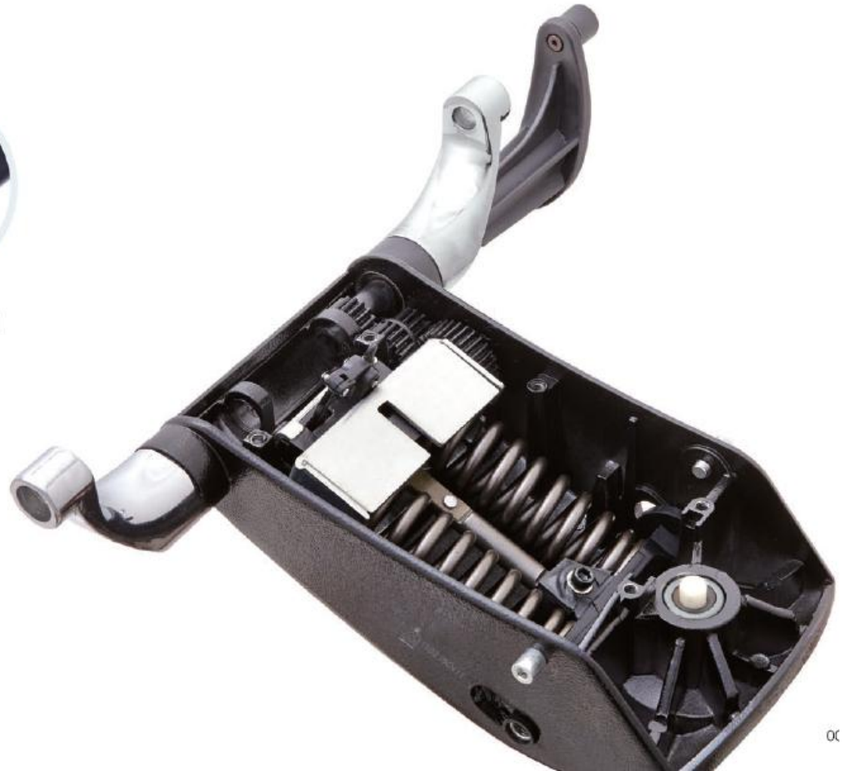
Gaotian Paddle Shift armrest is precisely assembled under 8 steps consisting of more than 66 components, which has gained National Patent. Our designers overcame plenty of difficulties to develop the elegant and convenient armrest with height adjustment, angle adjustment and wire control function.

Double Spring Paddle Shift Wire Control Mechanism

Adopted with 60 silicon 2 manganese and independently researched and developed by Gaotian, Double Spring Paddle Shift Wire Control Mechanism obtained lots of national patents.It consists of 92 components,precisely assembled under 9 steps. Baking varnish pattern cover, abrasion resistant and rustproof,The mechanism could adjust 15 levels per 2.2 degree under 33 degrees tilting angles by simple operation, It is a excellent and safe using experience.

We offer 5 years warranty for our products. We use the laser coding technology to record manufacturing information on the mechanism ensuring every single chair to get a better after-sales service.

Laser Coding



Sync-Sliding structure

ISSync

APAS

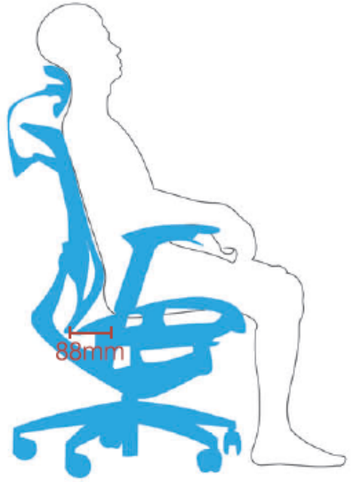
SLIDING

TENSION

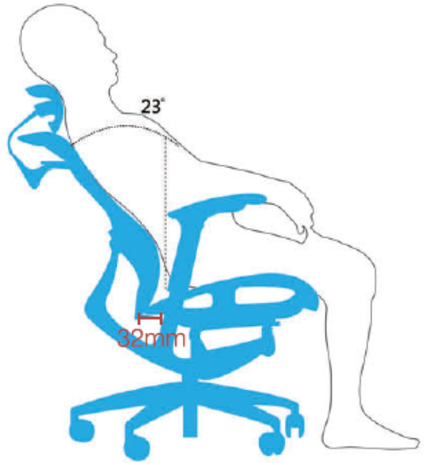
Gaotian "Sync-sliding Structure" is successfully launched and used on our chair in 2009 after several years developing and improving, "Sync-sliding" has several breaking technology as below:

1.Integrated sliding tilt and sync-tilt.
2.A'PAS (Automatic Sitting Posture Adapt) System.
3.Sliding tilt functions.
4.Sliding tension adjustment.

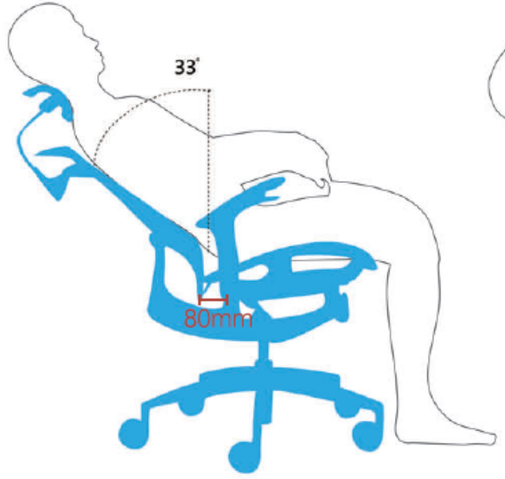
When adjusting the backrest tilt of the current office chairs,the gravity of the chairs will be changed and moved backward, which may lead the office chairs lose the balance and fell over, or the base legs may be broken because of the high pressure mainly being on the backside of the base legs. Sync-sliding structure is to provide a rational structure, the backrest tilt will drive the chair seat sliding forward smoothly to avoid legs being pressed and the gravity of the chair will move forward. This will make the backrest tilt angel reach to 61(Coast)/56(Dvary, Ifit) degree in safe and comfortable condition. Sync-sliding structure has passed the BIFMA test and is admitted by domestic and oversea professors. It also gained several design awards and national patent.



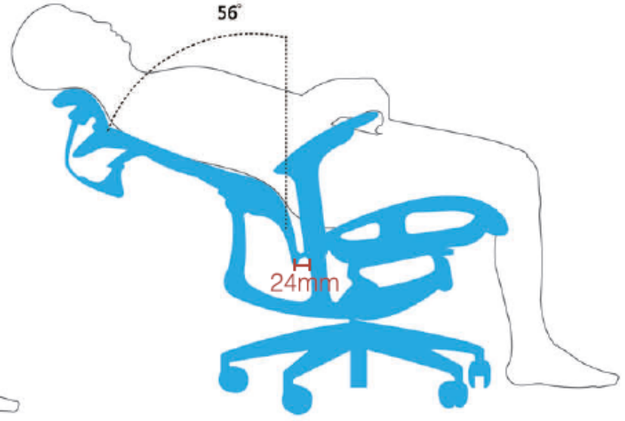
Original Position



A'PAS Sytem,Seat Sliding Forward Automatically

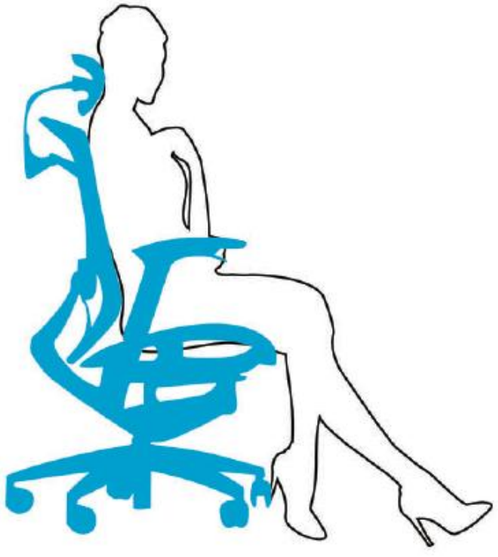


Backrest Tilt Independently



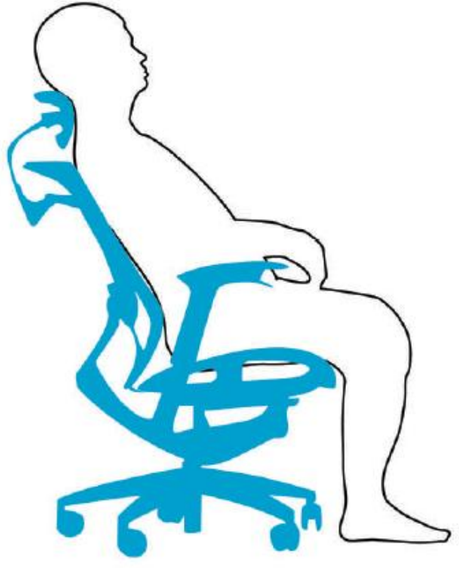
Sync-Sliding

Automatic Sitting Posture Adapt System
A'PAS



Light Weight

Middle Weight



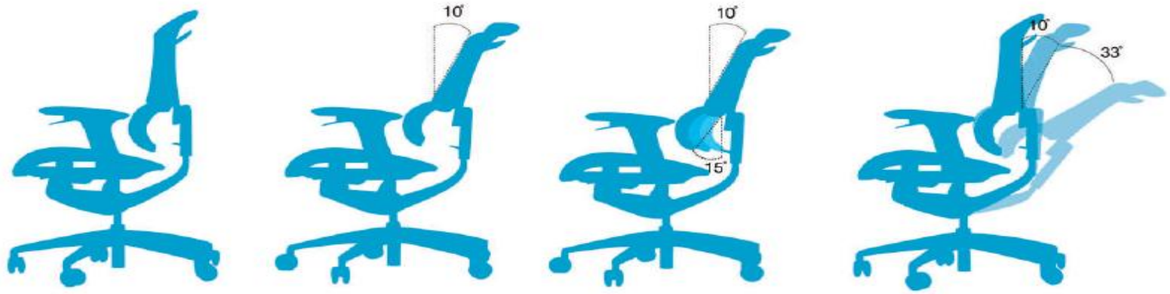
Heavy Weight

A'PAS (Automatic Sitting Posture Adapting system)
When the backrest is locked, the backrest tilt will drive the seat forward within 28 (Coast) / 23 (Dvary, lfit) degree to adapt different person's weight, posture, sitting habit . Users can stop at the most comfortable position without any operation.

BAS (Back Automatic Supporting system)

BAS

I-SEE Ergo Chair is the perfect combination of ergonomics and human needs, which gains the national patent and EN- 1335-1:2000 ergonomic chair certification.
Without any adjustment or operation, the independent rotation of the chair back can be realized through the unique intelligent rotating elastic connection in the supporting frame of chair back.
This system allows the chair back to fit people's weight, shape, sitting posture and tilting angle accordingly.
The major part in the two sections of chair back is the double torsion spring at the waist support bottom. It can provide users within 10 degree of upper torsion support and within 15 degree automatical waist rotating.
In this way, users can experience a full range of back support.



WITH THE PREMISE OF GUARATEEING BETER QUALITY,
GT DESEGNERS ADOPT THE LIGHTWEIGHT DESIGN TO REDUCE MANUFACTURING
COST AND USE RECYCLED MATERIAS TOAVOID EXCESSIVE WASTE

Tender form

Beautiful scenes and happy moments occur around us at any time and we always take photos for reserving them as permanent memory. However if theres no photographic equipments at that time, what should we do?.
Usually people will put the index finger and thmb of both nands up and down which is like the viewfinder action of camera, to show the intense happiness and the extraordinary significance.

GT Ergonomic designer´s inspiration comes from this simple and straighway gesture which can constantly spread incomprable happiness and inherit the most beatiful memories, We use brief and elegant lines to ouline our wonderful camera memories en – TENDER FORM Ergonomic Chair, dressing in different styles by blending the notion of capturing wonderful memories with muntifuntional features and colorful assortments. It helps add a vivid atmosphere fot the moderm office environment and passes the significance of innovative concept for ergonomic chairs.

ERGO Tender form

ERGO Tender form

ERGO Tender form

EG-15EB

EG-15E

ERGO Tender form

EG-15XB-OG

EG-15X-AG

ERGO Tender form

EG-15XB-AG

EG-15X-YG

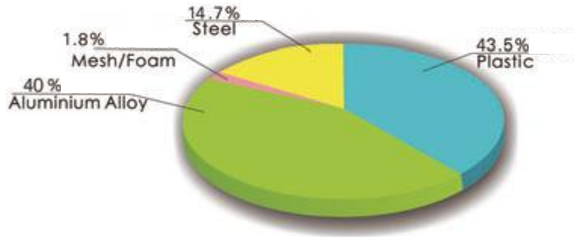
1. Seat Height Adjustment
2. Backrest Tilt Adjustment
3. Armrest Height and Angle Adjustment
4. Backrest Tilting Tension Adjustment
5. Seat Depth Adjustment
6. Backrest Height Adjustment
7. Lumbar Support Adjustment
8. Headrest Adjustment

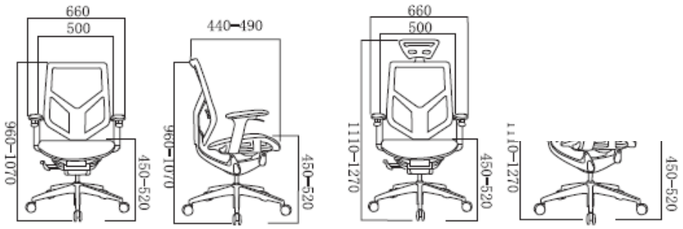
ERGO Tender form

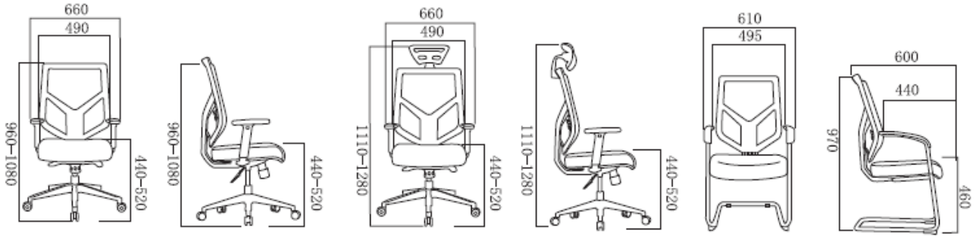
TENDER FORM

Tender form Materials Proportions

Material Recyclable Rate up to 98%







ERGO Butterfly

Butterfly

A symbol of flying, freedom, beautiful appearance.

Butterfly---A symbol of flying, freedom, beautiful appearance.
Dvary Ergonomic Chair integrates vivid butterfly appearance into the chair, and matching with colorful backrest shells, all these making the chair much fashion and dynamic. All kinds of high-end office furniture solutions can be provided with this excellent modern art. Dvary Ergonomic Chair equips Sync-sliding system which is invented & developed by Gaotian and had passed through American BIFMA test. The system is considered remarkable by exports, it had also won plenty of awards and national patent. The Dvary chair had adopted 3 system: Sync-Sliding Structure, Paddle Shift Wire Control System,and A'PAS System.

Sync-Sliding Structure

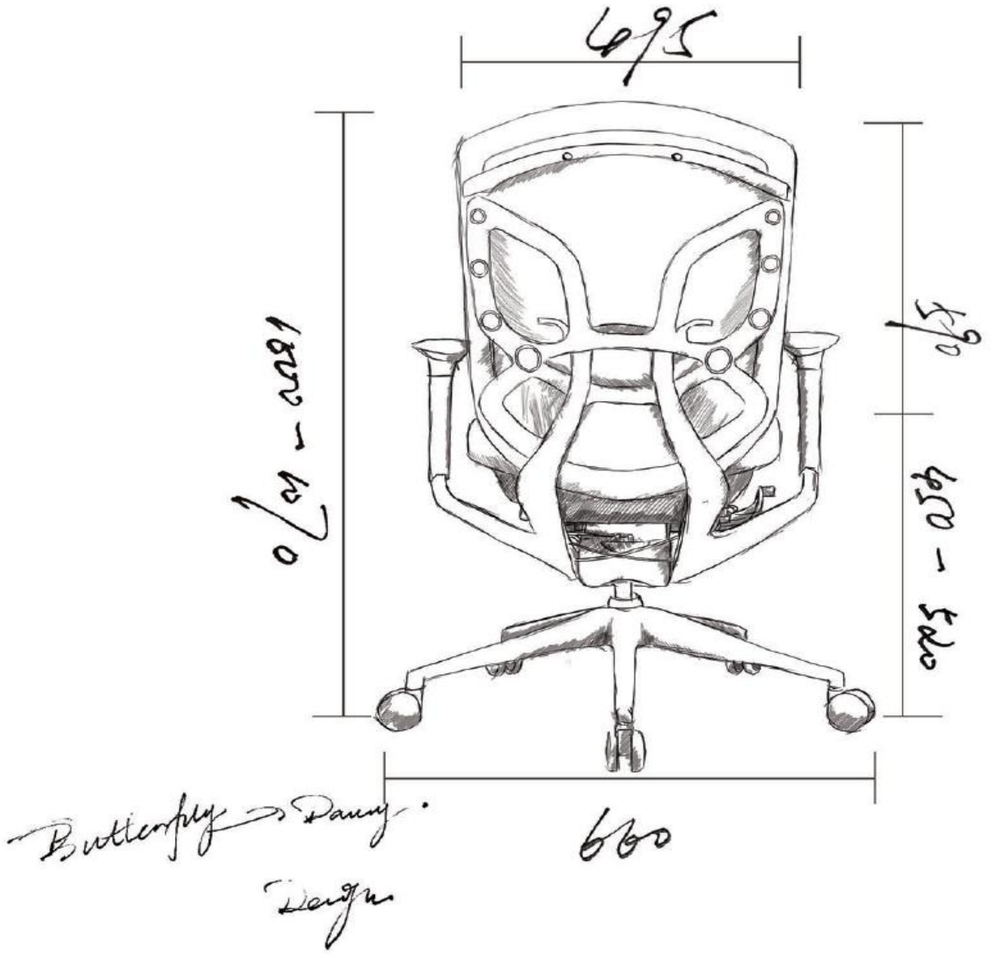
When sitting on the chair, the backrest tilt will drive the seat sliding forward smoothly to avoid the legs been pressed.The gravity of the chair will move forward, this will make the backrest tilt angel's reach 56 degree in safe and comfortable condition.

Paddle Shift Wire Control system

The chair is adopted the leading armrest tilt control system which is designed by Gaotian. The backrest tilt and chair seat height can be adjusted through the paddle on the armrest, achieving the most comfortable position conveniently, it is 8 times faster than normal chair.

A'PAS (Automatic Sitting Posture Adapting system)

When the backrest is locked, the backrest tilt will drive the seat forward within 28 (Coast) / 23 (Dvary, Ifit) degree to adapt different person's weight, posture, sitting habit . Users can stop at the most comfortable position without any operation.



Back Support

In addition to lower back support, there are many simple ways to make sure that one's office chair provides the right support for the back and neck. For example, for computer users:

- The office chair should have elbow supports to avoid?. Elbows should be able to comfortably rest on the elbow supports at a right angle.
- Knees should be bent at a right angle, with a footrest to elevate the feet while sitting in the office chair, if necessary.
- Eyes should be able to look straight ahead at the computer while seated in the office chair.
  While the spine can maintain a natural curvature without lower back support provided by the seat back, the natural tendency for most people when sitting for a long period is to slouch forward. This slouching posture pushes the lower back out, so that the natural inward curve goes in the opposite direction - outward toward the chair - straining the structures in the lower back.

For many people who work in an office setting, sitting in an office chair without adequate back support can create a great deal of stress on the lower back. This is largely because in the seated position, the??are loaded three times more than standing, and sitting without back support usually leads to poor posture, which stresses the soft tissues and joints in the spine. For many people, sitting in an office chair either causes or exacerbates lower back pain.

Part of the problem is that today's lifestyle often includes long periods of sitting - at work, during the commute to and from work, at home watching TV or at the computer, watching kids' soccer games, and so on. And it's in this sitting position that poor postural habits tend to develop - hunching over, slouching in the chair, etc.

When sitting in an office chair, shifting one's weight forward increases stress on the soft tissue, joints, and discs, and this in turn can create muscle tension and pain in the lower back and legs?

Office chair lumbar Back support is important

The lower portion of the spine, just above the buttocks, naturally curves inward toward the belly (the lord tic curve). A lumbar back support helps promote good posture by simply filling in the gap between the lumbar spine and the seat, supporting the natural inward curve of the lower back.

Without lumbar back support, it's more difficult to maintain the correct posture - and the lumbar spine and large muscles in the lower back have to work harder to support the proper curvature and alignment. Over time, as the body tires, the muscles holding the spine in such a position tend to become weak, and the head and upper back tend to lean forward to compensate the weakening of the lumbar muscles. The natural tendency is to slouch and/or lean forward in the office chair.

With good lumbar back support from the office chair, the muscles surrounding the spine are relieved of much of the responsibility of having to keep the spine naturally curved. This support is especially important when seated for a long period.

ERGO Butterfly

Positioning an Office Chair for Back Support

Maintaining Back Support in an Office Chair

When sitting in an office chair, a good lumbar back support should be flush against the small of the back. Many portable lumbar back supports are shaped specifically so that one end should be positioned up and the other down. When placed correctly, a lumbar back support should provide the following benefits:

- Ears, shoulders, and pelvis (hips) are kept in alignment
- Natural inward curvature of the lower spine is maintained

It is important that the back be flush, because this is what provides the support for the lower back. Overall, the lumbar back support should keep the spine in a very natural position. It should not overly accentuate the inward curve, nor should it feel unsupported.

There are several types of lumbar back supports available in different types of office chairs:

Ergonomic chair. There are a number of ergonomic chairs that are ergonomically sculpted with a lumbar support curvature built into the chair. To test if the ergonomic chair fits well, the user should sit up straight, with the head, spine, and buttocks in alignment. Then sit all the way back against the seat back. The curve of the ergonomic chair should naturally follow the curve of the lower back.
Because this type of lumbar support is not adjustable, the ergonomic chair should be tested and examined prior to usage to ensure an appropriate fit.

Adjustable back support chair. Many office chairs have a seat back that can be lowered or raised to better fit the user. The seat back should be positioned so that the curve of the lower spine is supported by the curve in the back of the chair. If more than one person will use the chair, then this level of adjustment may be a good option.

Portable lumbar back support. A curved cushion or lumbar roll, fitted to the seat back of an office chair, can be manually placed to fit the proper areas of the lumbar region. These cushions can be used in conjunction with most types of chairs to best fit the individual's need. Some products may be inflatable to increase or decrease the amount of support. Again, many portable lumbar supports are designed to have a particular end facing up and the other down. This type of support may be transferred to the office chair, to use in chairs at home, in the car, etc.

A towel or small pillow. In many circumstances, a commercial lumbar back support is not necessary and a rolled up towel or small pillow may serve this function well. By rolling or folding a towel to the desired thickness, this support is placed wherever the user deems fit for the most comfort and support while sitting in an office chair.

BACK SUPPORT and Ergonomic chair options

Sync-Sliding structure

ERGO Butterfly

ISSync

APAS

SLIDING

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Original Position

A'PAS System,Seat Sliding Forward Automatically

Backrest Tilt Independently

Sync-Sliding

ERGO Butterfly

E1-SET-386

ERGO Butterfly

EB-10B

EB-10

ERGO Butterfly

EB-10B

EB-10

EB-10 Upholstery

EB-10B Upholstery

ERGO Butterfly

EB-10B

EB-10

1. Headrest Adjustment

Pushing the headrest forward and backward or pulling it vertically will change its height and angle.

2. Seat Height Adjustment

The seat height can be adjusted by the paddle shift under the right side armrest. Holding the paddle shift ,the body weight will make the chair lower. releasing the paddle shift, the chair height will be locked at desired position.Holding the paddle shift without weight on the seat will make it rise.

3. Backrest Tilt and Sync-sliding Adjustment

The paddle shift under the left armrest can adjust the back tilting. Lifting the paddle shift once and release with the body weight pressure on the back will lock the backrest at a proper position. Lifting the paddle shift again,will unlock the backrest, and it can be waggled freely again.
Attention :please loose the paddle shift after lifting it to avoid the function being affected.

4. Backrest Tilting Tension Adjustment

Pulling out the knob at the lower right side of the seat,turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.

5. Armrest Height and Angle Adjustment

Pressing the button on the arm can lift the armrest to adjust its height. The armrest can be angled by stages inwards and outwards.

6. Lumbar Support Adjustment

Sliding the lumbar support up and down can adjust its height.

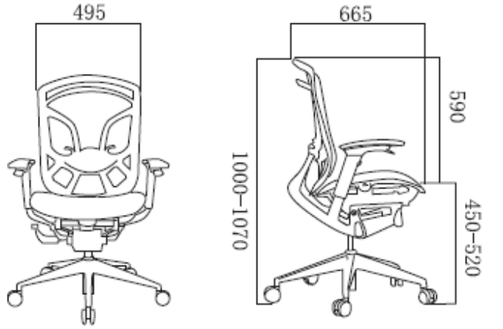
7. A'PAS (Automatic Sitting Posture Adapt System)

Pressing the button on the right side of seat can make the chair seat unlocked and slide forward.
When the backrest is locked, the backrest tilt will drive the seat forward within 23 degree to adapt different person's weight, posture, sitting habit , Users can stop at the most comfortable position without any operation.

8. Seat Sliding Tension Adjustment

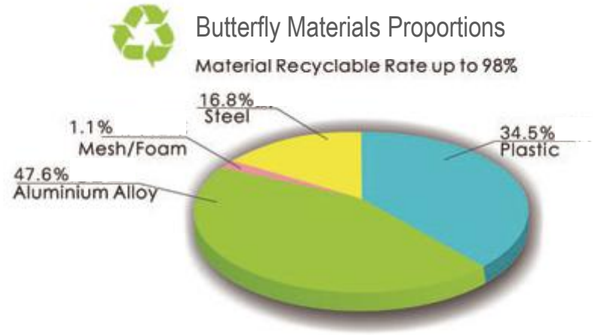
Revolving the knob under the seat can increase and decrease the seat sliding tension in three levels.

ERGO Butterfly

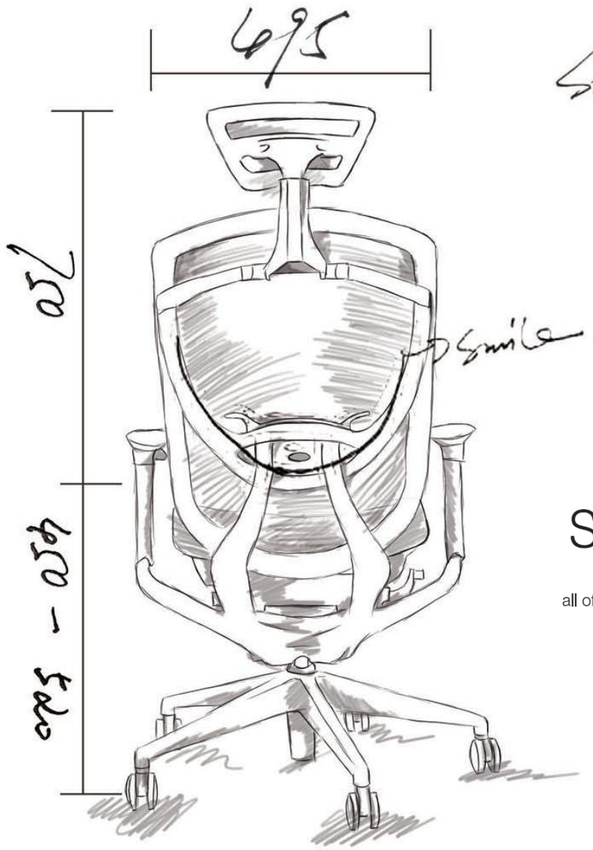


Butterfly

A symbol of flying, freedom, beautiful appearance.



ERGO *ifit*



SMILE FACE

It is an international language ,
all of us can understand it without translation.

ifit

IFIT Ergonomic Chair -the design idea is from the "Smile face", which we love so much. Gaotian designer integrated the smile face design into the chair developing, then you can feel the smile face at any time.
We believe that smile is an art, charm and magic, it can resolve the confuse and suspicion, and can make the hearts communicated sincerely. It can also create more business opportunity for you.

ERGO *ifit*

EIF-11B

EIF-11

ERGO *ifit*

EIF-11B

EIF-11B

EB-10 Upholstery

EB-10B Upholstery

ERGO *ifit*

EIF-11

EIF-11B

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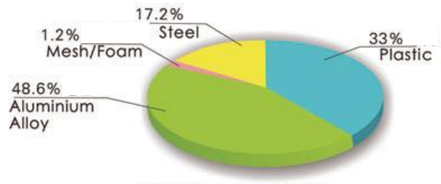
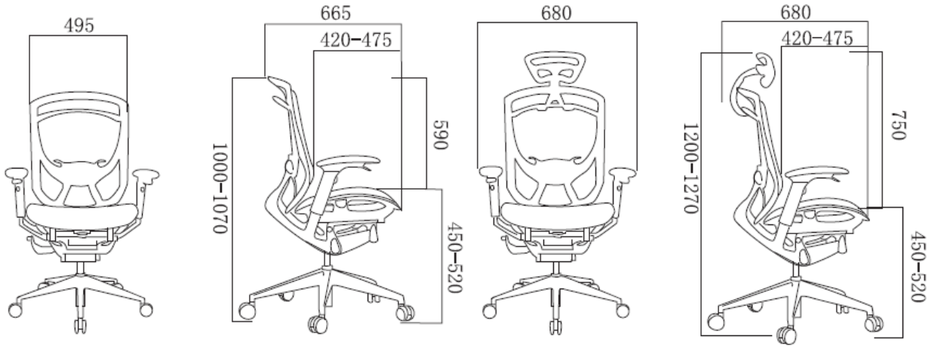
ERGO *ifit*



Ifit Materials Proportions

Material Recyclable Rate up to 98%



ERGO *ifit*

You can choose...

Headrest/Code:

S

S+

Plastic Shell:

Black

Grey

Aluminium Frame:

Polished

Chromed

Casters:

65mm PU casters
65mmPU

75mm Koo casters
75mm

Gas Lift:

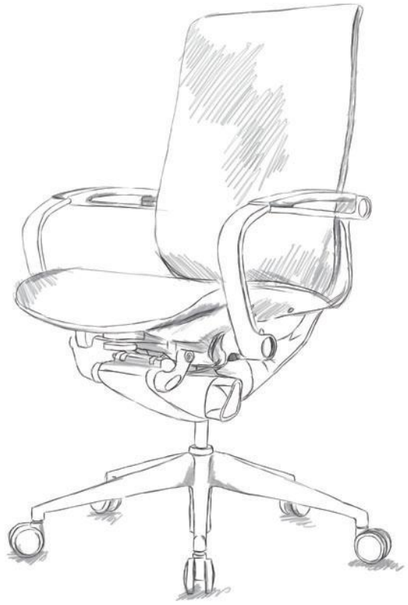
Samhongsa double pipe level IV gas lift

Base:

Options for star base:350mm Aluminum Alloy base with reinforcing ribs and noise reducing plastics caps.
350mm

Mariner Coast

t---We design the Sync-sliding structure to improve the sitting experience.
Our original idea is to increase the incline angles, but it will bring some risks,because it will increase the pressure of other chair parts, reduce the products' life time. However, if we move the whole seat gravity forward, customers will fall over together with the chair when sitting on it. Gaotian designers had a new idea, they make the chair backrest tilt driving the chair seat moving forward steadily, in this way, the users not only can reach a comfortable sitting experience, but also guarantee the using safety. The outstanding Sync-sliding structure and modest appearance is just designed for you.
The new 3-D sliding structure, attractive aluminum alloy armrest and the fixed armrest frame which will be kept at the same position when seat slides, all these feather are owing to the Gaotian creative designer.



ERGO mariner

EMA-1030B

EMA-1030

ERGO mariner

EMA-1030

EMA-1030B

1. Headrest Adjustment

Pushing the headrest forward and backward or pulling it vertically will change its height and angle.

2. Seat Height Adjustment

The seat height can be adjusted by the paddle shift under the right side of the seat . Holding the paddle shift , the body weight will make the chair lower. Releasing the paddle shift, the chair height will be locked at desired position. Holding the paddle shift without weight on the seat will make it rise.

3. Backrest Tilt and Sync-sliding Adjustment

The paddle shift under the left side of seat can adjust the back tilting. Lifting the paddle shift once and release with the body weight pressure on the back will lock the backrest at a proper position. Lifting the paddle shift again,will unlock the backrest, and it can be waggled freely again.
Attention :please loose the paddle shift after lifting it to avoid the function being affected.

Sync-Sliding structure

"Sync–sliding" has several breaking technology as below:
1.Integrated sliding tilt and sync–tilt.
2.A'PAS (Automatic Sitting Posture Adapt) System.
3.Sliding tilt functions.
4.Sliding tension adjustment.

4. Lumbar Support Adjustment

Sliding the lumbar support up and down can adjust its height.

5. A'PAS (Automatic Sitting Posture Adapt System)

Pressing the button on the right side of seat can make the chair seat unlocked and slide forward.
When the backrest is locked, the backrest tilt will drive the seat forward within 28 degree to adapt different person's weight, posture, sitting habit . Users can stop at the most comfortable position without any operation.

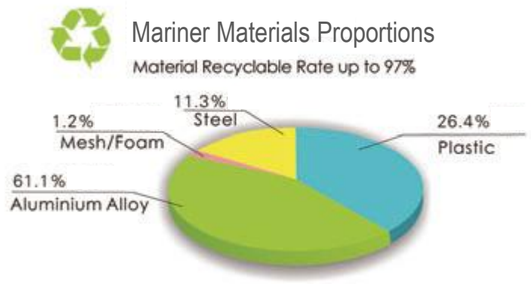
7. Backrest Tilting Tension Adjustment

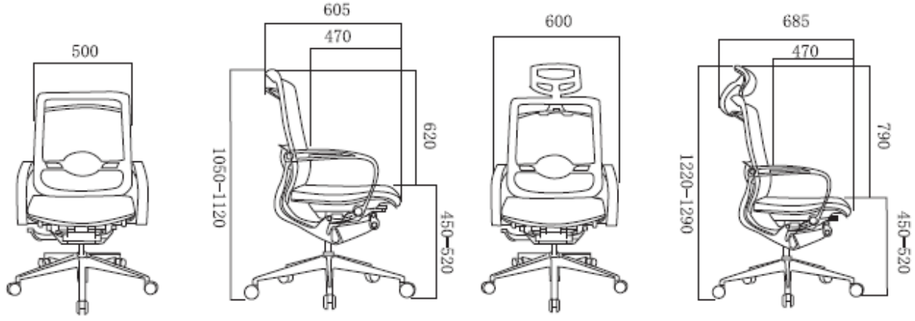
Pulling out the knob at the lower right side of the seat,turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.

6. Seat Sliding Tension Adjustment

Revolving the knob under the seat can increase and decrease the seat sliding tension in three levels.

ERGO *mariner*





You can choose...

ERGO mariner

Headrest/Code:

C C+ L L+

Aluminium Frame:

Polished Chromed

Casters:

65mm PU casters
65mmPU

75mm Koo casters
75mm

Gas Lift:

Samhongsa double pipe
level IV gas lift

Base:

Options for star base:350mm Aluminum Alloy base with reinforcing ribs and noise reducing plastics caps.
350mm加强筋消音套鋁合金腳。

EMA-1031B

EMA-1031

EMA-1030B

Marriet

WINEGLASS

Wineglass-Meaning always given the happiness cheers mood at the successful and joyful moment.

We adopt the aluminum metal feeling to lays out the stylish and elegant shape of the wineglass, put the soul of the wineglass into the structure of the product, support Marrit noble artistic temperament to meet the winners joy.
The earliest ergonomic chair designed by Gaotian with multi-functional wire control system, has 11 functions, offering a full range adjustment to meet our needs, the design is beyond the domestic design style, comparable to international similar products.
The first wire control mechanism developed by Gaotian with double horizontal spring inside, making the sit excellence, soft and comfortable. This has also changed the previous operation method and operating position of the office chair, with large tilt angle(up to 33 degree), making the using much safe, more convenient and flexible.
In order to coordinate with the operation of the wire control mechanism, he Gaotian designers overcome a number of technical difficulties, design a multi-functional wire control armrest with the height adjustment, angle rotation and wire control for Marrit. And we designed the switch which control the mechanism at the below side of the armrest, make the operation more simple and reasonable.
3D adjustable headrest with height, forward and backward adjustment to give you all aspects of adjustment.

Ergonomic is the spirit of the Marrit Ergonomic Chair.

ERGO Marriet


ERGO Marriet

ERM07-35B

ERM07-35

ERM07-35XB

ERM07-35XB

ERM07-35B

ERM07-35B

ERGO *Marriet*

ERM07-39B

ERM07-39

C-35

ERM07-39XB

C-39

ERGO Marriet

ERM07-35

ERM07-35B

1. Headrest Adjustment

Pushing the headrest forward and backward or pulling it vertically will change its height and angle.

2. Lumbar Support Adjustment

Sliding the lumbar support up and down can adjust its height.

3. Backrest Tilt Adjustment

The paddle shift under the left armrest can adjust the back tilting. Lifting the paddle shift once and release with the body weight pressure on the back will lock the backrest at a proper position. Lifting the paddle shift again,will unlock the backrest, and it can be waggled freely again.
Attention:please loose the paddle shift after lifting it to avoid the function being affected.

4 Seat Depth Adjustment

Pressing the button on the left side of the seat will activate the seat depth adjustment.Sliding chair seat with body strength,release the button at proper position will lock the seat.

5. The Backrest Angle Adjustment

Pressing the buttons on the two sides of the backrest at the same time will adjust the angle of the backrest.
同時按動椅背兩側的按鈕內推外拉可調節椅背角度。

7. Armrest Height and Angles Adjustment

Pulling up the armrest will adjust its height. When it arrived the highest level, it will go down to the original position. The arm pads also easily pivot.

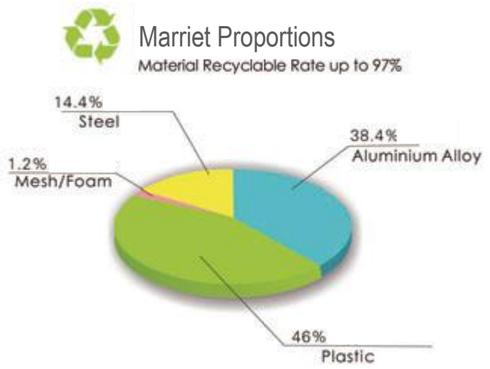
6. Seat Height Adjustment

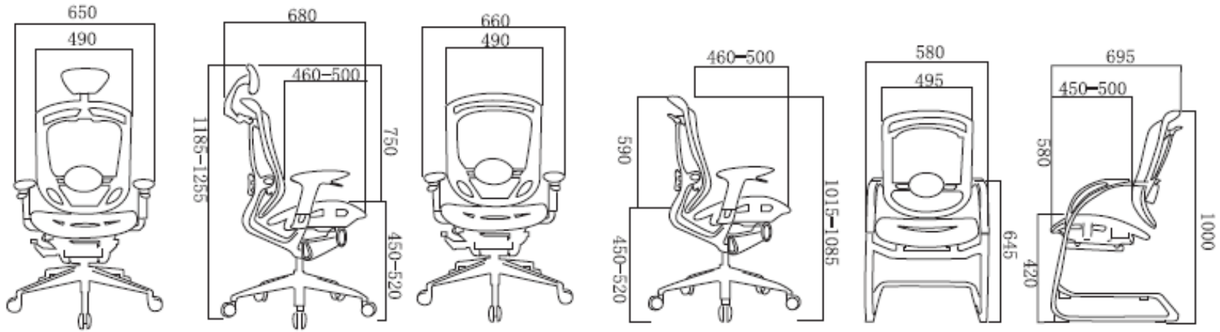
The seat height can be adjusted by the paddle shift under the right side armrest. Holding the paddle shift ,the body weight will make the chair lower. releasing the paddle shift, the chair height will be locked at desired position.Holding the paddle shift without weight on the seat will make it rise.

8. Backrest Tilting Tension Adjustment

Pulling out the knob at the lower right side of the seat,turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.

ERGO *Marriet*





You can choose...

Headrest/Code:


S


S+


K


K+

Armrest frame:


Paddle Shift Control Armrest


Polished Aluminum Alloy Paddle Shift Control Armrest


Chromed Aluminum Alloy Paddle Shift Control Armrest

Plastic Shell:


Black


Grey

Aluminium Frame


Polished


Chrome

Casters:


65mm PU casters
65mmPU


75mm Koo casters
75mm

Gas Lift:


Samhongsa double pipe level IV gas lift

Base:

Options for star base:350mm Aluminum Alloy base with reinforcing ribs and noise reducing plastics caps.
350mm


ERM07-35X


ERM07-6


ERM07-6A


ERM07-6B

i - VINO

BUD

Accordin to our design concept of BUD --- the inictial stage of life, i-VINO Ergonomic Chair is full of vitality witch makes people indenfinitely energetic

Accordin to our design concept of BUD --- the inictial stage of life, i-VINO Ergonomic Chair is full of vitality witch makes people indenfinitely energetic.

For the pursuit of green and friendly-environment, ED designers figured out them for i-VINO Ergonomic Chair --- source of life. They skillfully sketched out the wonderful process from budding to growing, letting people always feell green and life in nature.

The perfectly show the concept of friendly-environment, i-VINO Ergonomic Chair is with a variety of chosen furnishings. With the premise of guaranteeing better quality, ED designers adopt the lightweignt design to reduce manufacturing costs and use recycled materials (the recycling rate is up to 97%) to avoid excessive waste of materials.

What Is An Ergonomic Chair?

Finding the right "ergonomic" chair is a common problem especially for people who want to purchase new equipment to make workstations safer and healthier places. There are many "ergonomic" chairs available but it can be a mistake to purchase one simply because it is labeled "ergonomic".
Ergonomic chairs are designed to suit a range of people; however, there is no guarantee that they will suit any one person in particular. For example, a chair could be too high and the arm rests too far apart for a short, slim person. In addition, chairs may not suit every task or arrangement at the workstation. A chair becomes ergonomic only when it specifically suits a worker's size (body dimensions), his or her particular workstation, and the tasks that must be performed there. It is possible to find the right chair although it is not always easy.

Why is finding the right chair So important?

Today, in industrialized countries, many people sit for most of the time that they are awake. They sit while having breakfast, while going to work in cars or buses, in school classrooms, in meetings, in offices, during dinner, and at home while watching television. Many people also sit at work operating machines which new technology has developed to replace manual work. Although sitting requires less physical effort than standing or walking it puts a lot of stress on lumbar area. Combined effects of a sedentary lifestyle and a job that requires sitting can lead to many health problems.

What do you need to know about selecting a good ergonomic chair?

The selection of a suitable chair is a critical step in preventing health problems in people who work in a sitting position. With the ergonomics approach, sitting is viewed as a specific, specialized activity which is influenced by the way that a sitting person interacts with the working environment.
Several basic concepts should be considered:

- One chair does not fit everyone. The users' body dimensions must be used when selecting a chair so that it does not strain one part of the body while fitting another.
- Collect data about the user's body height. The optimal seat height is about one quarter of the body height. This is only a rule of thumb since the torso-to-leg ratio can vary widely.
- There is no chair suitable for every activity. For example, dentists require a different chair than do industrial workers or computer operators
- Consider maintenance and repair costs. Check with the manufacturer for items to inspect for and how often inspection should be done.

ERGO i-VINO

What are the features of a good chair?

Some features are mandatory for a good chair regardless of how you intend to use it:

- **ADJUSTABILITY** --- Check to see that seat height is adjustable.
- **SEAT HEIGHT RANGE** --- Check whether the seat height can be adjusted to the height recommended for the worker(s) who will use it. Other chairs may have to be selected for very short or tall workers.
- **BACKREST** --- Check to see that the backrest is adjustable both vertically and in the frontward and backward direction and has a firm lumbar support.
- **SEAT DEPTH** --- Select the seats that suit the tallest and the shortest users.
- **STABILITY** --- Check for the stability of the chair; a five-point base is recommended.

Other features to consider

- See if the selected chair has features that will help someone do their job better. Arm rests with adjustable heights are good for computer operators. Wider or narrower arm rests may also be required depending on the worker's dimensions and tasks they do.
- See if the selected chair has features that will make doing a job more difficult. An example may be that someone may be using a chair with casters or wheels when a stable and stationary work position would be better. If chairs with casters are needed, choose ones that match the type of flooring you have (nylon casters for carpeting or urethane casters for hard floors).

Can a chair solve all of the ergonomic problems of working in a sitting position?

A well-designed chair allows the user to sit in a balanced position. Buying an ergonomic chair is a good beginning but it may not bring the benefits expected. It is still important to sit properly.
Also, remember that the chair is only one of the components to be considered in workstation design. All the elements such as the chair, footrest (if needed), work surface, document holders, task lighting and so on need to have flexibility and adjustability to be "designed in".

IV-12B

IV-12

IV-12B Upholstery

IV-12 Upholstery

ERGO *i-VINO*

IV-12N

IV-12NB

IV-12N

IV-12AB

ERGO *i-VINO*

IV-12DB

IV-12D

1.Seat Height Adjustment

The seat height can be adjusted by the paddle shift under the right side armrest. Holding the paddle shift ,the body weight will make the chair lower. releasing the paddle shift, the chair height will be locked at desired position.Holding the paddle shift without weight on the seat will make it rise.

2. Backrest Tilt Adjustment

The paddle shift under the left armrest can adjust the back tilting. Lifting the paddle shift once and release with the body weight pressure on the back will lock the backrest at a proper position. Lifting the paddle shift again,will unlock the backrest, and it can be waggled freely again.
Attention :please loose the paddle shift after lifting it to avoid the function being affected.

3. Armrest Height and Angles Adjustment

Pulling up the armrest will adjust its height. When it arrived the highest level, it will go down to the original position. The arm pads also easily pivot.

4. Backrest Tilting Tension Adjustment

Pulling out the knob at the lower right side of the seat,turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.

5. Seat Depth Adjustment

Pressing the button on the left side of the seat will activate the seat depth adjustment.Sliding chair seat with body strength, release the button at proper position will lock the seat.

6.Backrest Height Adjustment

Pulling up the chair back will adjust its height higher,and the chair back will go down to the original position when it arrives the highest point.

7. Lumbar Support Adjustment

Sliding the lumbar support up and down can adjust its height.

8.Headrest Adjustment

Pulling headrest vertically will change its height and angle.

a. Seat Height Adjustment

Lifting the handle at the lower right side of the seat will adjust the seat height. The body weight will lower the seat height when lifting up the handle. Releasing the handle, the chair will stop at desired position. Lifting the handle without weight on the seat will make it rise.

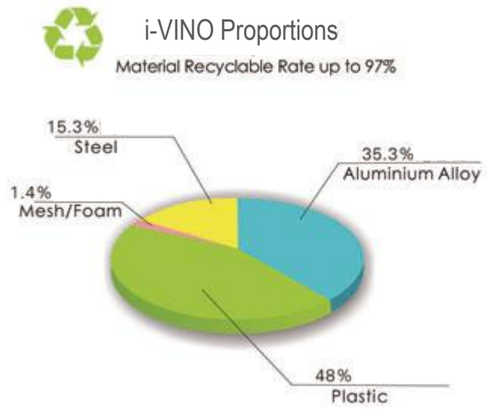
b. Backrest Tilt Adjustment

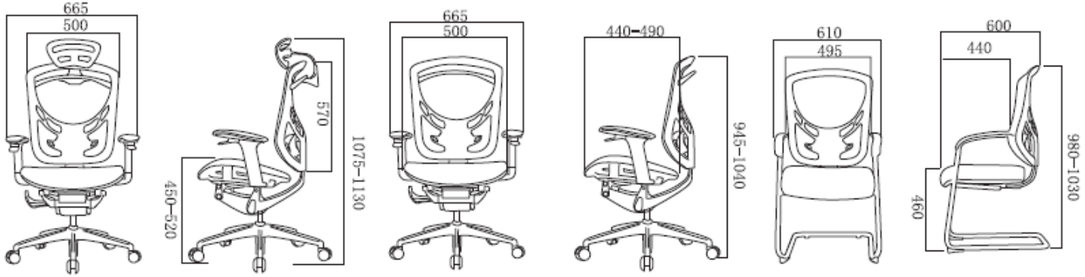
The lever under the left side of the seat will adjust the reclining of the backrest. Lifting up the lever will lock the backrest at desired position. Pushing down the lever will unlock the backrest tilt.

c. Backrest Tilting Tension Adjustment

Revolving the knob under the seat , turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.
increase or reduce the backrest tilt tension.

ERGO *i -VINO*


i-VINO Proportions
Material Recyclable Rate up to 97%
15.3%
Steel
35.3%
Aluminium Alloy
1.4%
Mesh/Foam
48%
Plastic


665
500
570
1075–1130
450–520
665
500
440–490
945–1040
610
495
600
440
980–1030
460

Headrest/Code:


S


S+


S5

Armrest frame:


SJ-2011 Armrest
SJ-2011


Multi-Function PU Armrest


Paddle Shift Control Armrest


Polished Aluminum Alloy
Paddle Shift Control Armrest

Mechanism:


Double Spring Wire Control
Mechanism


Multi-lock Sync-Mechanism

Casters:


55mm casters
55mm


65mm PU casters
65mmPU

Gas Lift:


Samhongsa double pipe
level IV gas lift


TVT gas lift
TVT

Base:

Options for star base:340mm PA /350mm Aluminum Alloy base with reinforcing ribs and noise reducing plastics caps.


TM-01


TM-03H


TM-01H


TM-05

The new I-SEE chair developed by Gaotian Designers is equipped own-designed free-support system which consists several dependent supporting parts.These supporting system, back height adjustment system.It can offer a full range support on the back.

1.Lumbar Supporting System.

This system can also fit the sitter's back and tilt angles.The unique double spring on the back can fit the sitter's back all the time.

2.Back-revolving system.

This system don't need any adjustment or operation,the back is able to fit the people's weight accordingly.It can adjust the gesture to fit sitter's back within 10 degree when the people sit on the chair.

3.Backrest height adjusting system:

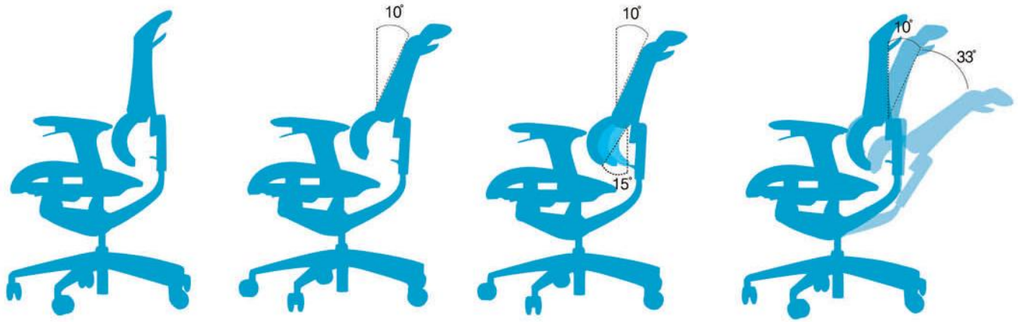
It can meet the demand of different height size of the people.

4.Backrest tilt system.

It will allow the people locking the tilt angled at desired position,and can also tilt freely after un-locked.

These functions work together to bring a 3D support on people's back,besides,we also combine the excellent paddle shift armrest control function to create the most comfortable sitting experience.

i·SEE



ERGO i·SEE

ERGO i·SEE

Elements of an ergonomic office environment

Your environment has a lot to do with how you feel. And how you feel has a lot to do with how productive you are. In many ways your immediate environment plays just as strong a role in your ergonomics as does your tools. For the office worker it may even play a stronger role.

Since ergonomics is all about increasing your productivity by making things more comfortable and efficient and your environment directly impacts your personal comfort it stands to reason that your environment can dramatically affect your productivity. It can also directly affect your efficiency by creating or supporting distractions of various types. Add to that some mental impacts and you can see the potential problems taking shape.

For the physical ergonomic aspects of your office environment the human-environment interfaces are those of your five senses: sight, touch, hearing, smell and taste, though hopefully your employer doesn't require you to regularly taste your desk, so we will take taste off the list. The cognitive ergonomic aspects of your office environment are those elements that you perceive through your senses that affect your concentration and mood. We should also note factors that cause strain and fatigue.

1.Light

Your lighting is one of the most essential elements for good office ergonomics. Having the proper lighting level for the type of task being performed increases your comfort and accuracy and reduces eye strain.
Equally important to the amount of light is the location of the light.
Lighting sources that create shadows orglare cause a lot of problems, especially on a computer monitor. Reflected light is the best type of light source.
For some people the type of light affects them. Fluorescent lights can cause a lot of problems. If you can detect the flicker from the ballast in the light it is almost impossible for you to concentrate. And it causes eye strain as well.
You can often combat this by wearing a hat that casts your eyes in shadow and block the flicker or by having an incandescent light bulb on as well. Fluorescent lights can also be a cause behind Seasonal Affective Disorder type Symptoms.
Additionally some evidence suggests that working under fluorescent lights can affect your hormone production, especially in women. Your optometrist may suggest wearing glasses with a very light rose tint to them to combat that affect.
There is still more evidence in existence that show a relationship between color temperature and quality to productivity and concentration. Full spectrum lights that mimic sunlight have been shown to increase test scores for school children. If you have a window in your view, that should be sufficient to allow enough full spectrum light into your environment. If you can see a tree out the window your test scores will go up even more.

2. Temperature

The air temperature, along with its partner relative humidity, can make or break the workers comfort. And since comfort is the key to maximum productivity, temperature can have a dramatic affect on individual productivity. If it can lower one persons productivity by 10%, imagine how the thermostat can undermine the productivity of the entire workforce.
Finding the optimal temperature may take a bit of work and you may have to factor in things like geographical location, climate, season, average worker age, etc., but the overall benefit in productivity may surprise once you tune in that sweet spot. Sweat shops aren't known for being efficient after all.

3. Noise

Noise is one of the most common distractions in an office environment and can prove to be disruptive to your office ergonomics. If it is loud enough and consistent enough it can also cause some health and welfare concerns for those working in the environment.
Outside noise sources like the airport and loading dock or train tracks may cause problems for your employees, but apart from additional sound insulation or moving there isn't often much you can do about it. Internal office noise pollution is another mater. Office doors can be closed, but often aren't. Cubicle chatter can be respectful and discreet, but often isn't. Culture and corporate policy can have a positive affect on this however.
Layout of the office space may be another factor. Cubicles and offices near a conference room or break area are often very difficult to concentrate in. Being located to a main thoroughfare where everyone feels free to talk while walking is another. Primary exits and lobby areas are still another source of office noise pollution and should be considered carefully when making any office layout changes or staffing decisions. Some people can handle the noise better than others so keep that in mind.

4. Colors

The colors that surround you can have a lot to do with how you feel when inside the office environment. Colors can have a strong psychological affect on you, especially when staring at the same color for 8 plus hours a day with no escape hatch around.
The psychology of colors has a lot to do with interpretation and understanding of how "expansive" or "intense" a color is. The more vibrant or expansive a color the more it can affect you, especially when in an enclosed space. Expansive colors indoors can give people severe anxiety. While other colors may be a factor in depression.
There are ways to use colors, even bright, expansive colors indoors to achieve many positive affects, but since that can be complicated most people go with toupe or beige since it is rather neutral in the psychological perspective and doesn't cause any problems, even if it doesn't cause any excitement either.

5. Textures

Textures play a big part in the ergonomics of an office environment in three main ways: immediate tactile feedback, long term bio-mechanical support, and color and light disruption.
The immediate tactile feedback are things that you feel and come into normal contact with, like chairs, flooring, restroom fixtures, etc. If things feel nice you'll feel nice. If they feel hard or rough then you'll be uncomfortable. An uncomfortable workers are unproductive workers.
Long term bio-mechanical support plays an important role in fatigue, repetitive stress and musculo-skeletal disorders. A material texture is a component in the type of support it give the user, most commonly sitting or standing on it. There's also a safety portion of a materials texture that should be considered, especially if it'll come into contact with water.
The third element of texture is how it breaks up the light and color in the environment. Using texture to reduce glare and soften color transitions can help the ergonomics of an office environment in a lot of ways. Reflective surfaces, ones that cause glare, harsh transitions and small, busy patterns are all stressful and can induce anxiety in confined areas.

ISE-13DB

ISE-13DB

ERGO i·SEE

ISE-13EB

ISE-13E

ISE-13EB Upholstery

ISE-13E Upholstery

a. Seat Height Adjustment

Lifting the handle at the lower right side of the seat will adjust the seat height. The body weight will lower the seat height when lifting up the handle. Releasing the handle, the chair will stop at desired position. Lifting the handle without weight on the seat will make it rise.

b. Backrest Tilt Adjustment

The lever under the left side of the seat will adjust the reclining of the backrest. Lifting up the lever will lock the backrest at desired position. Pushing down the lever will unlock the backrest tilt.

c. Backrest Tilting Tension Adjustment

Revolving the knob under the seat , turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.
increase or reduce the backrest tilt tension.

ERGO i·SEE

BAS system (Back Automatic Supporting system) BAS

I–SEE Ergo Chair is the perfect combination of ergonomics and human needs, which gains the national patent and EN– 1335–1:2000 ergonomic chair certification.
Without any adjustment or operation, the independent rotation of the chair back can be realized through the unique intelligent rotating elastic connection in the supporting frame of chair back.
This system allows the chair back to fit people's weight, shape, sitting posture and tilting angle accordingly.
The major part in the two sections of chair back is the double torsion spring at the waist support bottom. It can provide users within 10 degree of upper torsion support and within 15 degree automatical waist rotating.
In this way, users can experience a full range of back support.

1.Seat Height Adjustment

The seat height can be adjusted by the paddle shift under the right side armrest. Holding the paddle shift ,the body weight will make the chair lower. releasing the paddle shift, the chair height will be locked at desired position.Holding the paddle shift without weight on the seat will make it rise.

2. Backrest Tilt Adjustment

The paddle shift under the left armrest can adjust the back tilting. Lifting the paddle shift once and release with the body weight pressure on the back will lock the backrest at a proper position. Lifting the paddle shift again,will unlock the backrest, and it can be waggled freely again.
Attention :please loose the paddle shift after lifting it to avoid the function being affected.

3. Armrest Height and Angles Adjustment

Pulling up the armrest will adjust its height. When it arrived the highest level, it will go down to the original position. The arm pads also easily pivot.

4. Backrest Tilting Tension Adjustment

Pulling out the knob at the lower right side of the seat,turn it deasil,the inclining tension of the backrest will get higher, while turn it widdershins,the tension get lower.

5. Seat Depth Adjustment

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6.Backrest Height Adjustment

Pulling up the chair back will adjust its height higher,and the chair back will go down to the original position when it arrives the highest point.

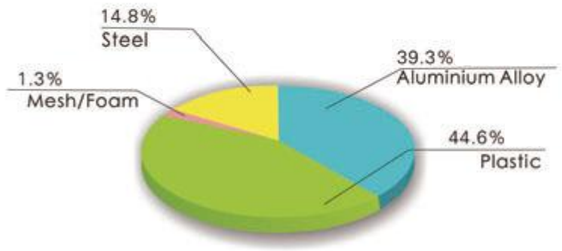
7.Headrest Adjustment

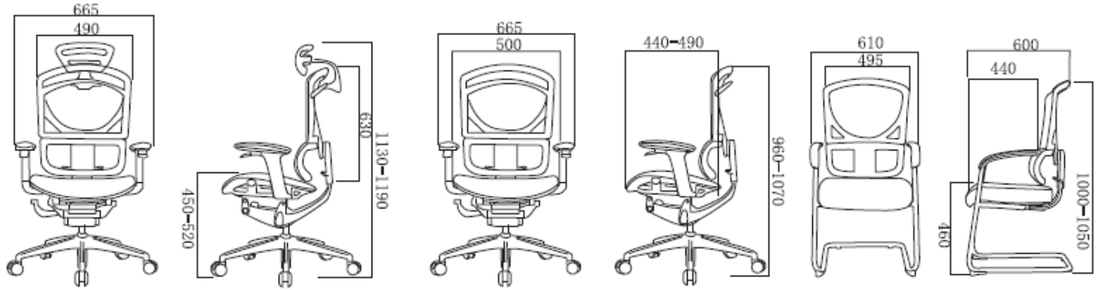
Pulling headrest vertically will change its height and angle.

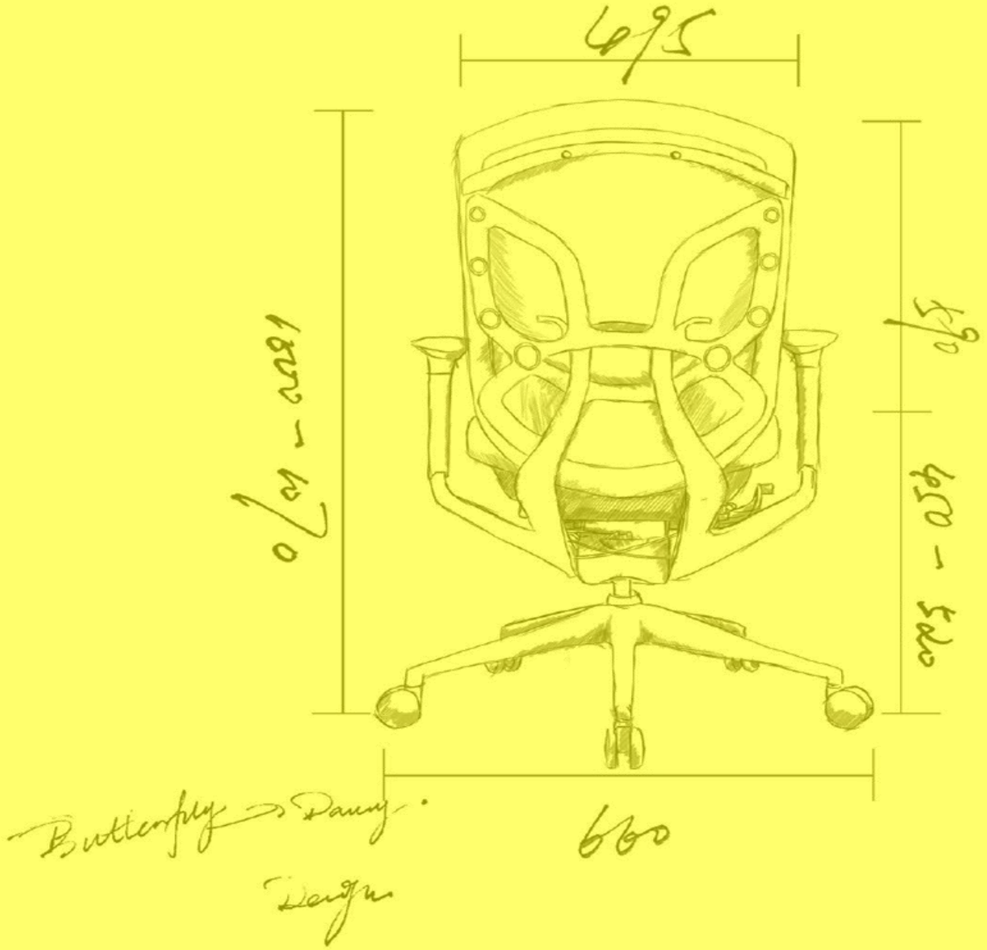
ERGO i·SEE

i-SEE Proportions

Material Recyclable Rate up to 97%







Color Samples

Mesh / Fabric Color Sample

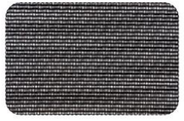
Wintex Mesh Series


GT-11

IW-11 BLUE(藍色)

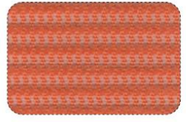

IW-11 ORANGE(橙色)

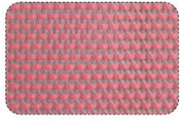

IW-11 WINE(酒紅色)


GT-12


GT-08


GT-13


GT-20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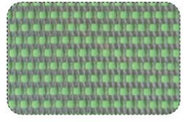
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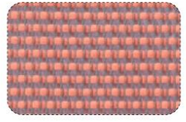
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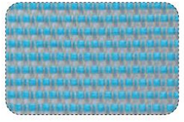
GT-25

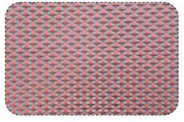

GT-26


GT-27

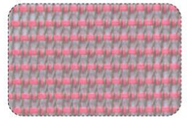
American Matrex Mesh Series


S-03


S-04


S-06

Yaoi Mesh Series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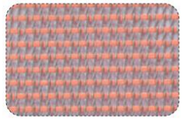
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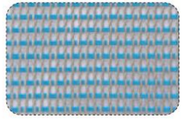
H-03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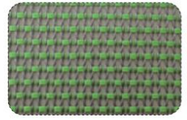

H-06


H-08

BACK MESH


YB-20


YB-23


GT-10


YS-07


YS-08


YS-01

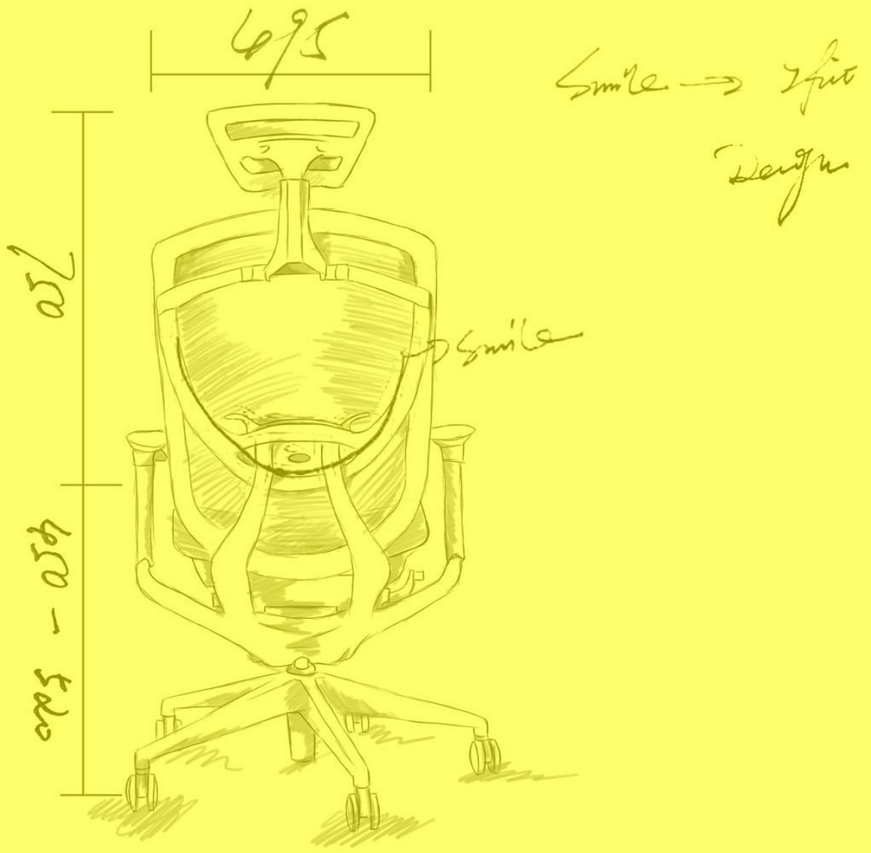
SEAT MESH

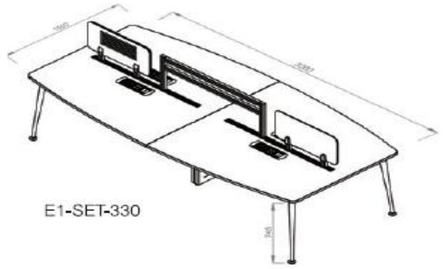

GT-04


Leather 牛皮

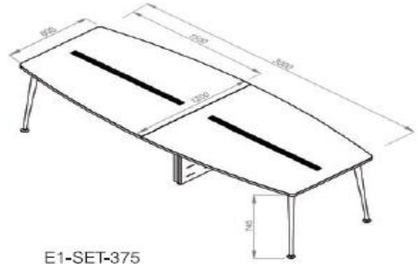

PU

Special Series





E1-SET-330



E1-SET-375

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