



 CLOCKWORK
COMPONENTS

Clockwork height adjustable
desk Sit / Stand mechanism



Features, Benefits &
Further Information

Clockwork Components and Kaidi Electrical are working together to bring a high quality sit / stand desking solution to the UK. With a variety of layouts, colours and frame shapes coupled with best-in-class technology, the Clockwork height adjustable desk provides the solution to every possible sit / stand requirement.

Kaidi Electrical Inc was established in 1992. They have grown dramatically over recent years to become a global force in the supply of **actuators for use with recliner mechanisms, adjustable beds and height adjustable desks**. With market leading products Kaidi export across the globe to countries such as Germany, France, Canada, South Korea, Japan, USA and the UK. Their approach has been to develop the capabilities for manufacturing all required components 'in house' which has led to a superior level of reliability, a testament to this being their sales of over 2 million motors per year.



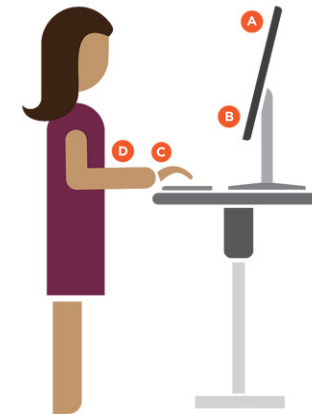
Set your body free

For those occupations which are predominantly desk based, research shows that workers should aim to initially progress towards accumulating 2 hours a day of standing and light activity during working hours, eventually progressing to a total of 4 hours a day. To achieve this, seated based work should be regularly broken up with standing based work, the use of sit-stand desks, or the taking of short active standing breaks.

Let's not forget the other more obvious benefits to your health such as less obesity risk, better posture and reduced cancer risk. It makes sense that mortality may rise since sitting too much is related to cancer, obesity, heart disease, high cholesterol and diabetes. An American study from 2011 concluded that Americans increase their life expectancy by two years if a reduction in sitting time from the standard six hours to just three hours per day is implemented.



- A - Eye level even with top of monitor
- B - Viewing distance 15-30 inches
- C - Elbow angle 90 degrees & close to body
- D - Wrist straight
- E - Knee angle 90 degrees
- F - Foot rest or flat feet
- G - Seat height 15-20 inches
- H - Lower back support



- A - Eye level even with top of monitor
- B - Viewing distance 15-30 inches
- C - Wrist straight
- D - Elbow angle 90 degrees & close to body

Control Units

TUV certified, CE approved circuitry and anti-collision software built-in.

Motors

Quiet electric motors (<49db) for dual and triple actuators with three stage legs. Will not disturb your office environment.

Controllers

Standard two button and memory function built-in controllers available.

Legs

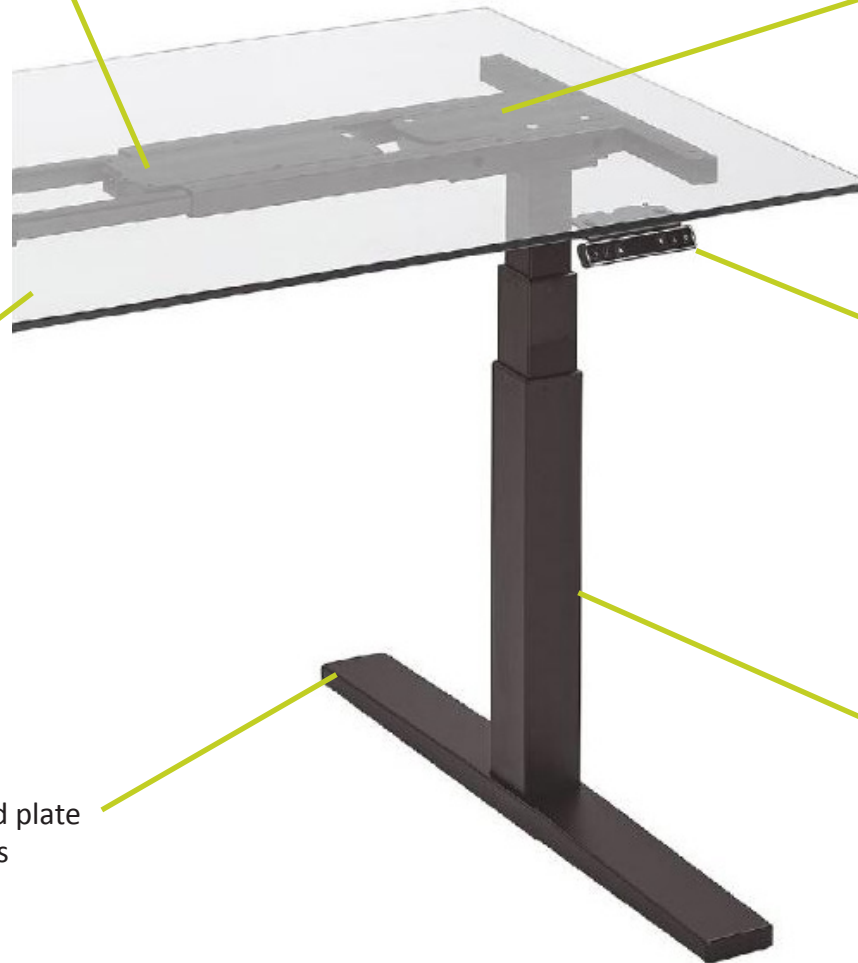
Round, square, rectangle legs. Flexible height, 580 -1230mm. Cable management. 36mm/s motion. Strong, safe working load limit of 80kg. Extremely rigid, high quality build.

Table Tops

Laminate table tops from 1200mm available in Birch, Oak, Beech, White and Grey finishes.

Feet

Hollow flat, tapered and solid plate feet to cater for all leg shapes



Configurations

Colour Options



White

Grey

Black



Standard

Dual motor/ legs



90 Degree

Triple motor/ legs 90 degrees
Left and Right hand versions



120 Degree

Triple motor/ legs 120 degrees

Feet & Electrical Legs



Hollow Flat Feet

Mounting hole position:
Center/off center
Size 24", 30"
Suitable for:
Square, Rectangle legs



Hollow Tapered Feet

Mounting hole position:
Center/off center
Size 24", 30"
Suitable for:
Square, Rectangle legs



Solid Plate Feet

Mounting hole position:
Center/off center
Size 24", 30"
Suitable for:
Round, Square, Rectangle legs



Round Legs

Dimensions: 70mm Dia
Voltage: DC240V
Push/Pull Force: Max 800N
Speed Range: 36mm/s
Stroke Range: 635mm



Square Legs

Dimensions: 69 x 69mm
Voltage: DC240V
Push/Pull Force: Max 800N
Speed Range: 36mm/s
Stroke Range: 650mm



Rectangle Legs

Dimensions: 60 x 95mm
Voltage: DC240V
Push/Pull Force: Max 800N
Speed Range: 36mm/s
Stroke Range: 650mm

Control Buttons & Units



Fixed Control Button

Fixed up and down
two button controller



Memory Control Button

Memory function with
up and down controller



Telescopic Control Button

Telescopic up and down
two button controller



Dual Motor Control Unit

Dual motor control unit AC230V or
AC120V. For standard actuator



Triple Motor Control Unit

Triple motor control unit AC230V or AC120V
For 90 and 120 degree actuators

Configurations & Dimensions

Product build options

Colour Options



White

Grey

Black



Hollow Flat Feet



Hollow Tapered Feet



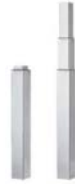
Solid Plate Feet



Round Legs



Square Legs



Rectangle Legs



Fixed Control Button



Memory Control Button



Telescopic Control Button



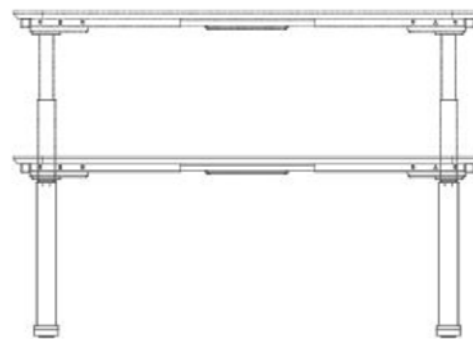
Dual Motor Control Unit



Triple Motor Control Unit

Standard

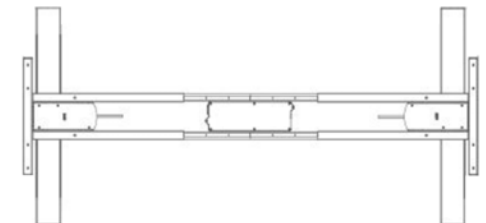
Dual motor



1270mm
(50")

618mm
(24")

Options:
586mm
690mm
738mm



Options:
1091mm
1550mm

Options:
400mm
460mm

Configurations & Dimensions

Product build options

Colour Options



White

Grey

Black



Hollow Flat Feet



Hollow Tapered Feet



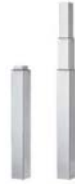
Solid Plate Feet



Round Legs



Square Legs



Rectangle Legs



Fixed Control Button



Memory Control Button



Telescopic Control Button



Dual Motor Control Unit

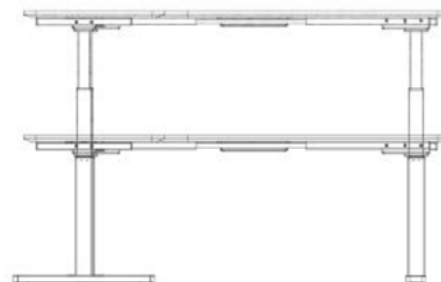


Triple Motor Control Unit

90 Degree

Triple motor

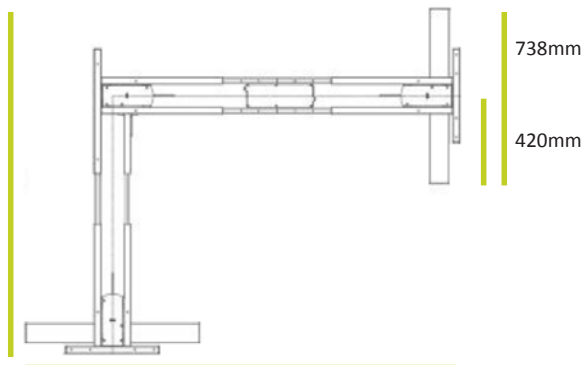
Left and Right hand versions available



1270mm
(50")

618mm
(24")

1193 -
1571mm



738mm

420mm

1331 -
1789mm

Product build options

Colour Options



White

Grey

Black



Hollow Flat Feet



Hollow Tapered Feet



Solid Plate Feet



Round Legs



Square Legs



Rectangle Legs



Fixed Control Button



Memory Control Button



Telescopic Control Button



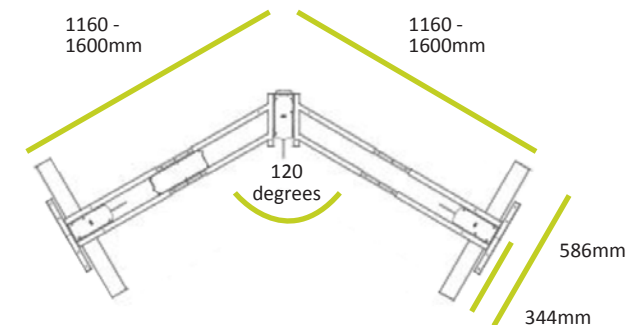
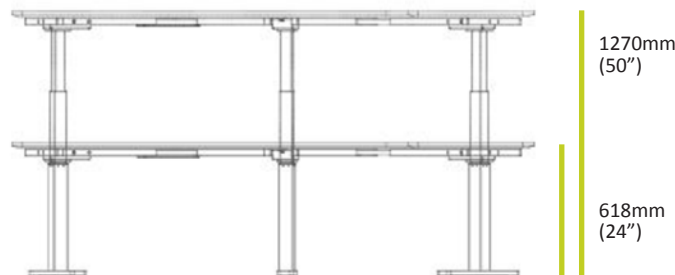
Dual Motor Control Unit



Triple Motor Control Unit

120 Degree

Triple motor





As industry leaders, Kaidi continuously explore and innovate their products, striving to be a world-class manufacturing enterprise. It is their constant goal to provide high quality products with exemplary service. The product guarantees on offer are 10 years for metal structural components and 3 years for the motors. Kaidi have also acquired ISO9001, ISO14000, OHSAS18000, TS16949 certification and their linear actuators have passed security certification of PSE, UL, CUL, CE, KC and ROHS certification.

Products certification



TUV strength and stability tests

Office furniture - work tables and desks - Part 3: Methods of testing for the determination of the stability and the mechanical strength of the structure.

Compliance certificates available on request for all parts including directives for EMC, Voltage and ROSH.



1	Scope		
2	Normative references		
3	General test conditions		
4	Test apparatus		
5	Test methods		
5.1	Stability		/
5.1.2.1	Stability under vertical load	750N at 50mm from edge	P
5.1.2.2	Stability with drawers open		N/A
5.2	Strength under vertical force	1000N, 10s x 10 times, position 1, 2, 3, 4	P
5.3	Strength under horizontal force	800mm height, 450N, 10s x 10 times.	P
5.4	Fatigue under horizontal force	800mm height, max 100kg, 300N x 5000 cycles for each side.	P
5.5	Fatigue under vertical force	800mm height, 400N x 10000 cycles, 100mm from edge.	P
5.6	Drop test	Lift force 200N, drop height 100mm, 5 cycles and opposite side 5 cycles.	P
6	Test report		
Annex A	(informative) Stiffness of the structure		/
ISO 21016: 2007 Office furniture – Tables and desks – Test methods for the determination of stability, strength and durability			
6	Test methods		
6.1	Stability		
6.1.1	Stability under vertical load		
6.1.1.1	Test for tables that are or can be set to a height of 950mm or less	750N at 100mm from edge	P
6.1.1.2	Test for tables that are or can be set to a height greater than 950mm	375N at 100mm from edge	P
6.1.2	Stability with extension elements open		N/A
6.5.3	Stiffness of the structure	50kg, 300N, calculate D1 and D2 < 17mm/m in height.	P
6.6	Durability of the height adjustment mechanism	45kg at 300mm from left edge, 1250 cycles. 45kg in the middle of the surface, 2500 cycles. 45kg at 300mm from right edge, 1250 cycles.	P



onoffice
WORKPLACE | DESIGN | ARCHITECTURE

Hospitality Interiors



Set your desk free

Kaidi height adjustable desk mechanisms, supplied exclusively by Clockwork

CLOCKWORK COMPONENTS
www.clockworkcomponents.com
sales@clockworkcomponents.com
01993 775 767



CLOCKWORK COMPONENTS

Sit simply. Stand healthy.

Perch, sit, stand. It's your choice.
Join the revolution of increased productivity and a flexible active working environment.
Put freedom back into your work space with the Kaidi adjustable desk mechanism.

www.clockworkcomponents.com / sales@clockworkcomponents.com / 01993 775 767

Clockwork have directed the majority of advertising towards the contract market utilising publications such as On Office and of Hospitality Interiors under the gearing media umbrella.

Featured on the left are 2 examples of our latest sit/stand desk advertisements.

Onoffice are the UK's leading publication for the commercial architecture and design community. Their readers work on the most exciting workplace, hospitality, education and civic projects in the world.

Hospitality Interiors is the only UK magazine and website which is completely focused on interiors for hospitality spaces. Their mandate is to seek out the world's most interesting properties and challenging interior concepts.

