



**SUPERIOR QUALITY  
ORIGINATED FROM GERMANY**

**Desk Name: Penta**

SKU: AS2

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[www.motionfurni.com](http://www.motionfurni.com)

# CONTENTS

CONTENTS.....	01
CAUTIONS.....	02
BOM.....	03
INSTALLATION DETAILS.....	04
USAGE INSTRUCTION.....	07
Q&A.....	10

## Product Technical Data

Item	Data
Input	220~240VAC / 100~130VAC 50~60Hz
Output	29VDC
Max Loading	176 lbs / 80 kg
Height Range(Without Desktop)	27.6"~46.5"/70CM~118 CM
Working Ability	2 Min / 20 Min

## CAUTIONS



1. Please read this manual before operating this equipment.

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2. NOTE: Please use this equipment according to the instructions in this brochure to avoid accidents.

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3. Keep children and pets away from the electric height-adjustable desk during the operation. Unplug the power cord during a thunderstorm or if you do not intend to use the desk for a long time.

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4. DO NOT sit or stand or lying on the desk.

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5. DO NOT immerse in water. Keep away from liquid or heat sources.

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6. DO NOT adjust the height continuously for more than 20 times in short time. Allow the product to rest for 10 minutes before re-using.

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7. DO NOT put objects over 80 kg on the desk.

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8. Please DO NOT place anything under the table top when lower down the desk. Ensure no obstacles in the desk's path and no object above and 20" under the desk.

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9. Make sure desktop not touching the wall.

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10. Although the product comes with anti-collision function, in order to avoid any pinching, please ensures that hands or other parts of your body are in a safe position during the operation. Anti-collision will be closed during resets process.

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11. Working environment temperature 0-40°C, keep products away from extreme temperature, humidity environment, corrosive gas, liquid and dusty objects.

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12. Please DO NOT disassemble or repair the equipment by uncertified personnel to avoid the failure or damage of product or electric shock to the human body.

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13. It is necessary to reset manually after the initial installation or power off.

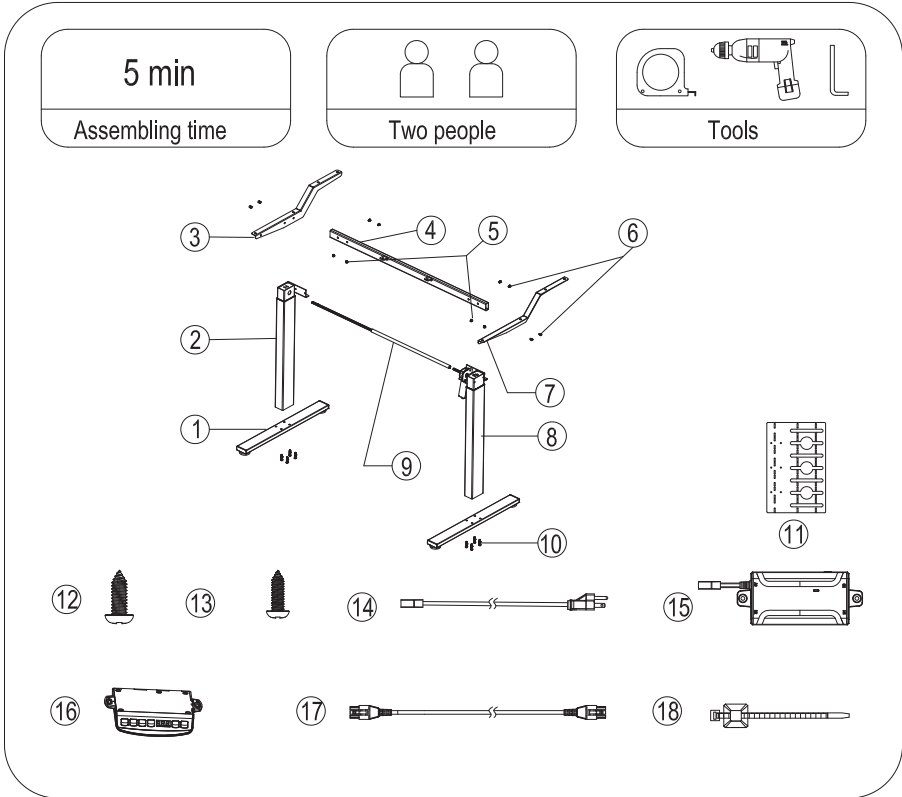
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14. DO NOT use this equipment in case of failure!

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15. Before checking or wiping this equipment, please cut off the power!

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16. Please DO NOT use water or alcohol to clean the equipment!

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17. The company does not bear any warranty or liability for damage and human injury caused by any abnormal operation.

## BOM



NO.	Part name	Qty(PCS)
1	Foot	2
2	Column	1
3	Side Bracket ( Left )	1
4	Tube	2
5	M6*8 Screw	8
6	M6*10 Screw	8
7	Side Bracket ( Right )	1
8	Column (Motor)	1
9	Transmission shaft	1

NO.	Part name	Qty(PCS)
10	M6*30 Screw	8
11	Power Strip Tray	1
12	ST4.8*16 Tapping Screw	22
13	ST3.5*16 Tapping Screw	2
14	Power Cord	1
15	Control Box	1
16	Handset	1
17	Extension Cable	1
18	Cable Clip	8

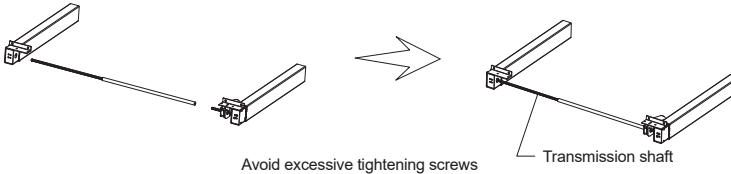
# INSTALLATION DETAILS

## Important Notes:

1. Steel table frame installation: it is recommended to manually tighten all screws. Even after fixing the screws with an electric screwdriver, it is VERY necessary to manually tighten them again for the final lock. Re-tightening the screws manually is essential; otherwise, screws may loosen after more than three months of use.
2. Desktop and Frame Connection: As we have the self-tapping screws, using an electric screwdriver is sufficient and there is no need for manual reinforcement."

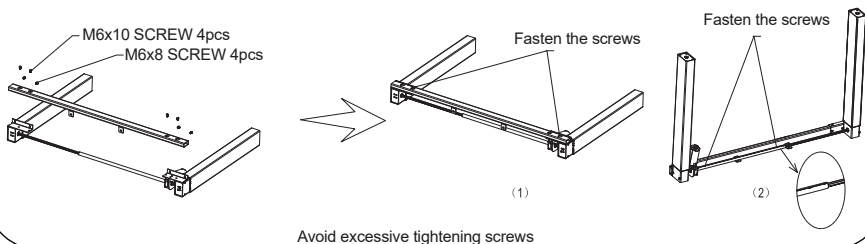
### STEP1

- Insert the Drive Shaft(a hexagonal bar) into the column.
- Pre-tighten the screw.



### STEP2

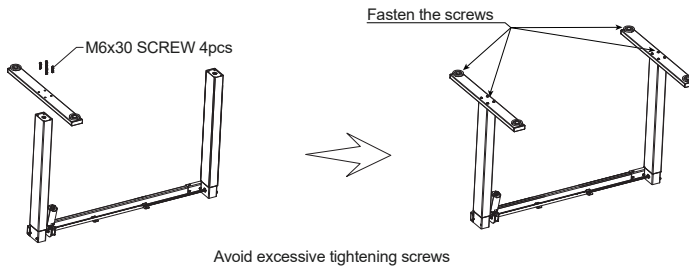
- Set the right tube and left tube flat.
- Insert the extension tube to the right tube and left tube as is shown in the picture, pre-tightening the bolts.
- Both the beam and the drive shaft need to be fixed with screws.



# INSTALLATION DETAILS

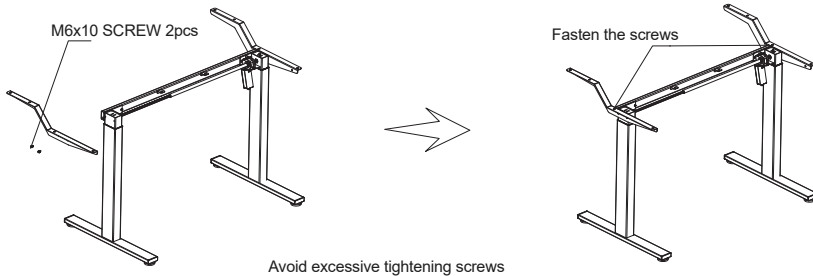
## STEP3

- Install the connecting rod on the column as the picture shown.
- Respectively, line up the holes on both ends of the connecting rod and the holes on the L shape metal of the columns. Then tighten the bolts.



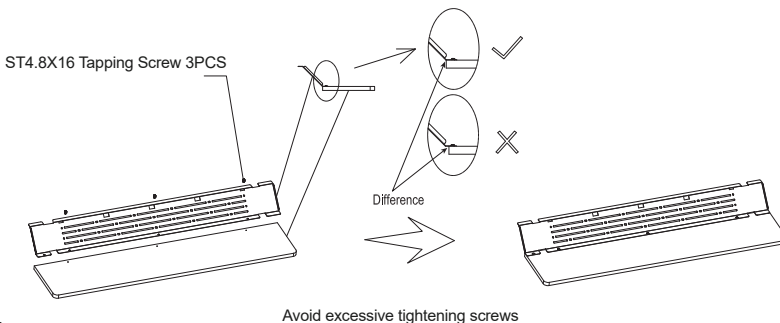
## STEP4

- Mounting the side bracket on each side of the column.



## STEP5

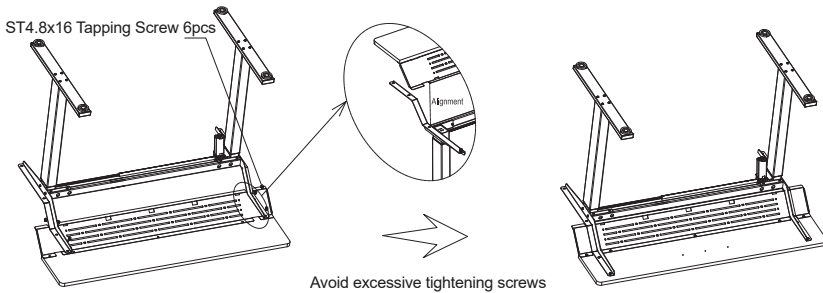
- Fasten the long sheet metal to the upper tabletop.
- Note: The bend of the sheet metal needs to be aligned with the edge of the tabletop, and should not exceed or be shorter than the fold line.



# INSTALLATION DETAILS

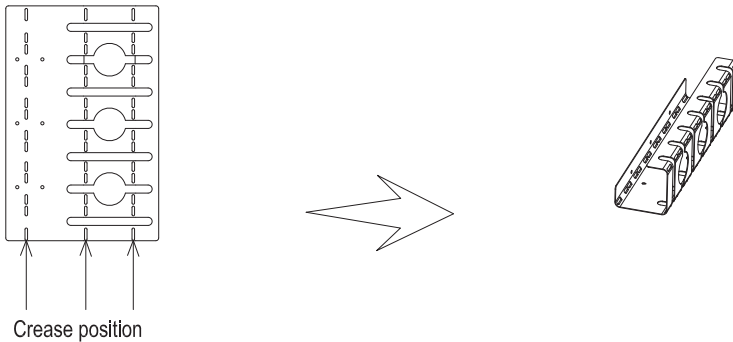
## STEP 6

- Fasten the upper desktop and sheet metal assembly to the metal side panel of the table frame.
- Note: There are two bayonet designs at both ends of the middle long sheet metal. The bayonet needs to be placed on the side brackets on both sides of the table frame.



## STEP 7

- Bend along the 3 different dotted lines, so that you can put the power strip, computer adapter.

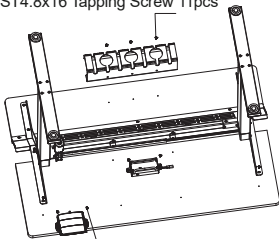


# INSTALLATION DETAILS

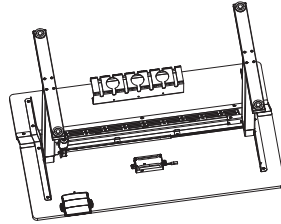
## STEP 8

- Fix the desk frame at a distance of 5cm~10cm from the edge of the desktop length and fasten screws.
- Place the power supply inside the socket tray.And fix the controllers onto the desktop

ST4.8x16 Tapping Screw 11pcs



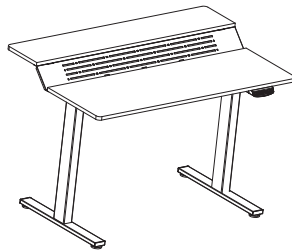
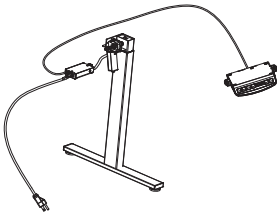
ST3.5x16 Tapping SCREW 2pcs



Avoid excessive tightening screws

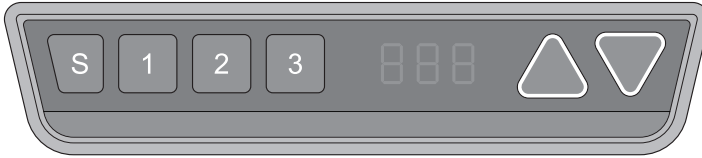
## STEP 9

- Connect the accessories(Controllers, bracket) onto the desktop.





# USAGE INSTRUCTION




Keep pressing down key until the display shows "E-1" and "rES" alternately and release the key, before the usage of this desk.

## • Manual Reset





It is necessary to be reset manually after the initial installation and power off.

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  - Keep pressing down key again, the desktop will move slowly down and return back till the display shows "70 (27.6") /60 (23.7")"
- Release the key, the height-adjustable desk resetting finished.








Note: The anti-Collision function is not enabled during all resets. Please note that there is a potential risk of pinching in this case, and be sure no obstacles in the desk's path.

## • Up and Down

- 
  - Keep pressing "up" key till the required height is reached.
- 
  - Keeping pressing "down" key till the required height is reached.


## • Saving Position

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  - Adjust the desktop to the height you want to save
- 
  - Press "S" key, until the display will show "S --"
- 
  - Press "1", and the display will show alternately as "S-1" and the desktop height.
- 
  - Press "S" key, the first memory position is set successfully. Similar progress for 2 and 3 memory positions.

## • Anti-Collision Function














Before use, please make sure removing obstacle in advance and human body is in the safe position.

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  - Once the desktop encounters any obstacle in its path, the screen displays "E-2"
  - The desktop will move a defined distance in opposite direction, and it would be used normally after removing the obstacle.







# USAGE INSTRUCTION

## • Movement Limit & Self-stop Positions Enable this function only when you are really heed in some situation.








1.  • Keep pressing the key "S" for 3 seconds until the display shows "S--" to enter setup menu.
2.   • Press up key till the display flash as "HLP".
3.   • Press "1", the display show alternately as "H-P" and current height.
4.   • Keep pressing up or down key till the required upper limit position is reached.
5.  • Press "S", the desktop height will be showed and the self-stop position has been set.
6.   • Press "2", the display will show alternately "L-P" and current height, keep pressing down key till the low limit position is reached, press S the Movement limit & self-stop position has been set.


 Note: By this function would be used to limit the height movement of desk. Once it is set, the new upper or lower limitation position will be stored.

## • Change the Displayed Unit (cm / inch)

1.  • Keep pressing the key "S" until the display show "S--" to enter the setup menu.
2.   • Press up key until the display will show "Unt".
3.  • Press "1", and the display will show alternately as "Unt" and the desktop current height value of by "cm".
4.  • Press "S" key to save the unit as cm.
5.  • Press "2", and the display will show alternately as "Unt" and the desktop current height value by "inch", press key "S" to save the unit as inch.


## • Amend the Desktop Height Displayed



1.  • Keep pressing key "S" till the display show "A--".
2.   • Briefly Press "Up" or "Down" key, until the display show alternately as "End" and current height. (At this point, the units display mm or inch).
3.    • Press "1", "2", "3" to choose the first, second and the third number, each click will increase one value.
4.  • Press "S", the amending has been set.

 Note: The function enables you to change the height shows on the display based on the actual measurement.


# USAGE INSTRUCTION


## • Plug Detection

 The function can detect whether the motors are connected properly.

1.  • Once the display shows "E-3" and "rES", it means the motors are failed to connected with control unit.
2. • Please unplug the main cable, check all connection and make sure all cables are connected properly, plug the main cable then.
3.  • Follow the Manual Reset Progress to reset system.

## • Reset to Factory Setting

 With this function, you can make the control unit to factory setting.

1.  • Keep pressing "S" until the display shows "FAC".
2. • Press "S" again to confirm to store the control system to factory setting.

# CODE MEANING & TROUBLE SHOOTING

Code	Information	Operating
rES	Manual Resetting	Refer to the progress of Manual Reset.
ovr	Over Load	Remove the load on desktop until it less than 1000N (220 lbs) before further operation
E-2	Anti-Collision Function	It can be used normally after removing the obstacle.
dut	Too Frequent Operation	Make the desk rest for 15minutes before further operation.
E-4	The Height Difference between Two Legs Exceed 1 Inch	Stop the operation and reset, refer to Manual reset
E-3	Check the Connection	Check the cables and ensure they are well connected, manual reset before re-use.

## Q&A

### **I found some comments wrote about E-2 Error code issues, what should I do?**

This product Anti-collision function uses gyroscope, so the handset and control box must be fixed horizontally on the table top, otherwise E-2 error code may appear.

### **Will this product support the board as 90" x 31.5" x 1.5" or 74" x 42"x 1.5" board?**

Our recommended maximum size(80"x31.5"/200x80cm) is set for safety, anti-toppling, it is supportable from a load-capacity perspective.

### **Why I received one box only?**

The desk frame and the desk top are packaged in different two boxes, and they are also send out by Express delivery separately. You need to wait a few days for both packages arriving.

### **When can i get my shipment?**

Orders containing large items or multiple quantities of items and may ship by 2 different shipments, and would arrive your destination at different time. Please be patient.

If shipped from China, it would take 22 working days.

If it shipped from USA warehouse, it would arrive your place in 5-7 working days.

### **When can i if there are some components missed?**

Email to us: [service@motionfurni.com](mailto:service@motionfurni.com)

We will send the new components to you for FREE ASAP.

### **What can I do if there are defaults with our desk?**

1.Read this user manual more carefully, and check whether you operate it in the wrong way.

2.Confirmed you are right, please sent email to us with Pictures and Video in attachment.

Any issues, please email to us freely.

Email: [SERVICE@MOTIONFURNI.COM](mailto:SERVICE@MOTIONFURNI.COM)

Attn: Mr. Arthur Trueh

3.Any issues will be solved for you, if you send email to us. You can trust us!

Please do not Return the goods without the negotiation with us!

Please do not Return the goods without the negotiation with us!

Please do not Return the goods without the negotiation with us!

Or not, that may make you lost the freight cost.