



Custom Designed
for Height
Adjustable Solutions

ERGO MOTION



99%

of TiMOTION's customer application requirements can be solved by providing highly customized solutions supported by our experienced personnel.

101%

TiMOTION guarantees complete customer satisfaction by providing competitive actuation solutions, coupled with a wide range of high-quality products, global service networks, and "on-demand" R&D resources.

WISHBONE

Inspired by the elegant form of a wishbone, the WISHBONE height-adjustable desk blends organic design and advanced engineering to elevate both function and style.

NEW

The WISHBONE's innovative design creates a floating tabletop effect, combining sleek industrial craftsmanship with strength and stability. It's more than a desk – it's a blend of natural elegance and modern precision that enhances any workspace.

- t-touch anti-collision technology
- USB-C fast charger (30W)
- Supports external battery



Max. load
100kg

Constant speed
38mm/s

Frame dimensions (mm)
1540 / 1740

Frame height (mm)
620~1270

Tabletop sizes (mm)
800×1600 / 800×1800

Two Leg Frame Kits

TEK22

series

Dual Motor Desk Frame

Max. load

100~200kg*

Constant speed

2-Stage Column: 31mm/s*

3-Stage Column: 38mm/s*

Frame dimensions (mm)

Width: 1050~1800

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180

*It varies upon the selection of components.



Two Leg Frame Kits

TEK23

series

Single Crossbar Desk Frame

Max. load

120kg

Constant speed

2-Stage Column: 31mm/s

3-Stage Column: 38mm/s

Frame dimensions (mm)

Width: 1160 / 950~1550 / 1050~1850

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180





Two Leg Frame Kits

TEKaiir series

Lightweight Dual Motor
Desk Frame

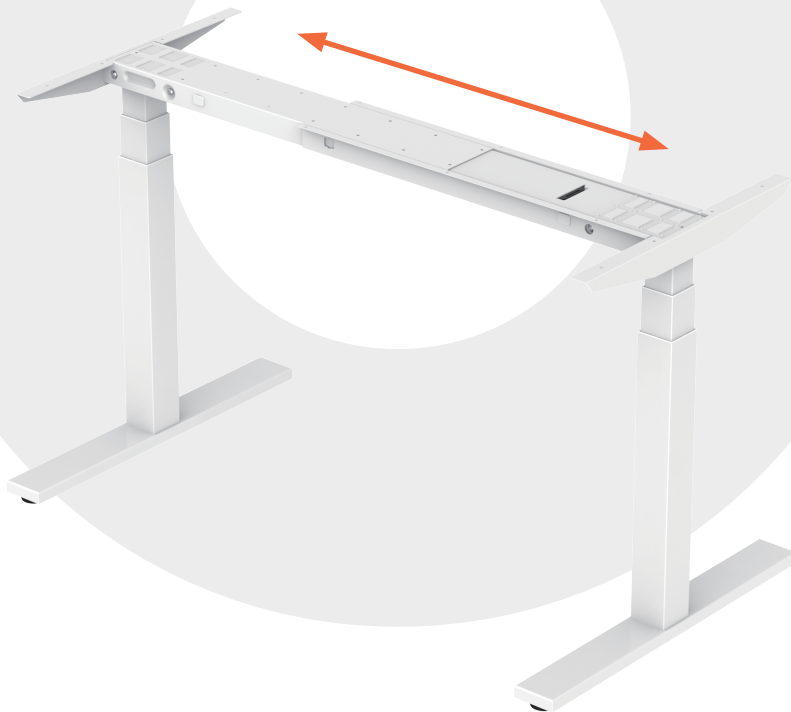
Max. load
100kg

Constant speed
2-Stage Column: 31mm/s
3-Stage Column: 38mm/s

Frame dimensions (mm)
Width
Normal: 946~1546
Extended: 1040~1740
Short: 740~1140

Frame height (mm)
3-Stage: 630~1280
3-Stage (M): 600~1260
3-Stage (S): 560~1220
2-Stage: 680~1180

Pre-assembled frame kit – Significantly reduces
installation time



Two Leg Frame Kits

TEK50 series

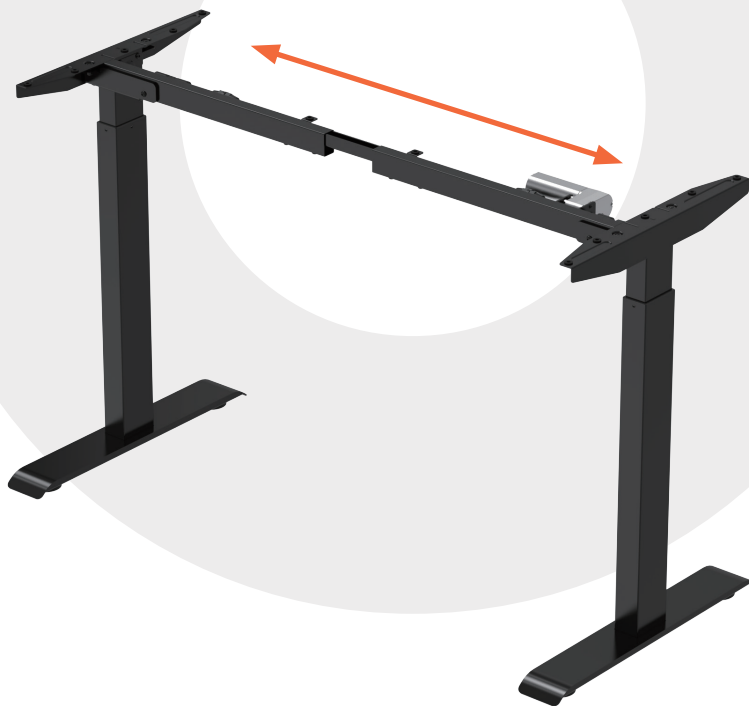
**Preassembled Single Motor
Desk Frame**

Max. load
70kg

Constant speed
2-Stage Column: 22mm/s

Frame dimensions (mm)
Width: 1050~1500

Frame height (mm)
2-Stage: 680~1180 / 700~1170



Two Leg Frame Kits

TEK08S

series

Manually Operated Desk Frame

Max. load

120kg

Speed

Lifting ratio: 3 or 9mm/turn

Frame dimensions (mm)

1160

Frame height (mm)

2-Stage: 680~1130



Bench Solution

BP-TEK22 series

Face-to-Face Modular Bench Solution

Max. load
100~200kg*

Constant speed
2-Stage Column: 31mm/s*
3-Stage Column: 38mm/s*

Frame dimensions (mm)
Width: 1050~1800

Frame height (mm)
3-Stage: 630~1280
3-Stage (M): 600~1260
3-Stage (S): 560~1220
2-Stage: 680~1180

*It varies upon the selection of components.



Bench Solution

BP-TEKaiir series

Face-to-Face Modular Bench Solution

Max. load

100kg (per frame)

Constant speed

2-Stage Column: 31mm/s

3-Stage Column: 38mm/s

Frame dimensions (mm)

Width

Normal: 946~1546

Extended: 1040~1740

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180



NEW

Three Leg Frame Kits

TEK26 series

L-Shaped Three Leg Desk Frame

Max. load

120kg or 150kg*

Constant speed

2-Stage Column: 33mm/s*

3-Stage Column: 38mm/s*

Frame dimensions (mm)

Front-Long: 1071~1821

Front-Short: 1071~1721

Side: 1160~1485

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180

*It varies upon the selection of components.



Three Leg Frame Kits

TEK28 series

90° or 120° Three Leg Desk Frame

Max. load

120kg or 150kg*

Constant speed

2-Stage Column: 33mm/s*

3-Stage Column: 38mm/s*

Frame dimensions (mm)

Width

90°: 1183~1680

120°: 1050~1610

Frame height (mm)

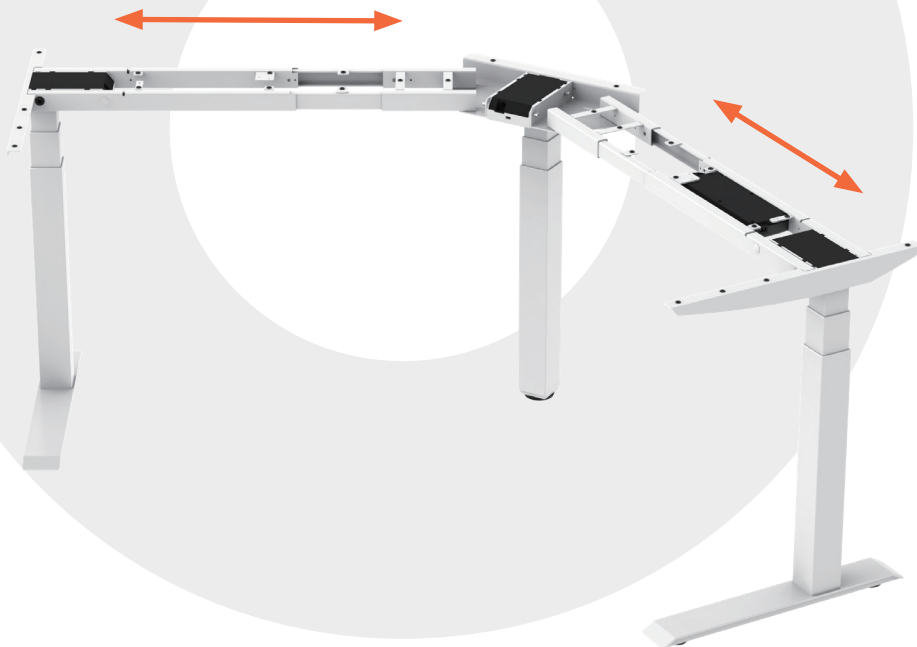
3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180

*It varies upon the selection of components.





Three Leg Frame Kits

TEK12 series

Meeting Table Desk Frame

Max. load

120kg or 150kg*

Constant speed

2-Stage Column: 33mm/s

3-Stage Column: 38mm/s

Frame dimensions (mm)

Width: 2260~3460

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180

Modular design – Easily changed the TEK01 desk frame into the conference table configuration

*It varies upon the selection of components.





Four Leg Frame Kits

TEK30 series

Executive Four Leg Desk Frame

Max. load
100Kg

Constant speed
33mm/s

Frame dimensions (mm)
Width: 1500 / 1800 / 1400~2000
Depth: 800

Frame height (mm)
2-Stage: 655~1155



Modular Frame Kits

TEKarrc series

Exquisite Multifunctional
Table Frame

Max. load
120kg

Constant speed
33mm/s

Frame dimensions (mm)
4-leg
Width: 1200 / 1400 / 1600 / 1800
Depth: 800 / 900 / 1000 / 1100

6-leg
Width: 2200 / 2600 / 3000 / 3400
Depth: 800 / 900 / 1000 / 1100

Frame height (mm)
2-Stage: 680~1180



NEW

Designed To Be Furniture

Enhance your quality of life and work with TEKarrc, the stylish and functional piece that adds a touch of refinement to any space



- Seamless exterior
- Concealed cabling and control units
- Integrated power unit
- Modular designed for 4-leg and 6-leg configurations







Single Leg Frame Kits

TEK17 series

Single Column Desk Frame

Max. load

70kg*

Constant speed

2-Stage Column: 34mm/s*

3-Stage Column: 40mm/s*

Frame dimensions (mm)

Length×Width: 450×380

Length×Width: 600×303

Frame height (mm)

3-Stage: 630~1280

3-Stage (M): 600~1260

3-Stage (S): 560~1220

2-Stage: 680~1180

*It varies upon the selection of components.



Single Leg Frame Kits

TEK19 series

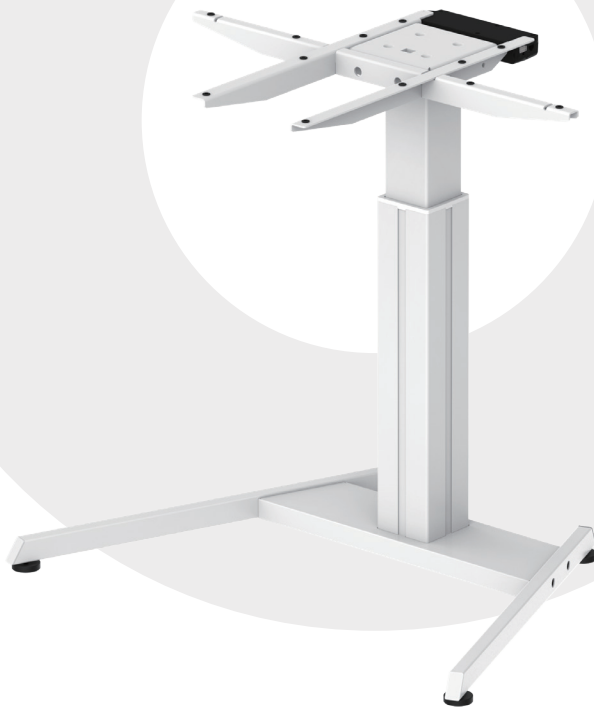
Single Column Desk Frame

Max. load
80kg

Constant speed
2-Stage Column: 33mm/s

Frame dimensions (mm)
Length×Width: 800×580

Frame height (mm)
2-Stage: 675~1175
(Only available for TL19)



Single Leg Frame Kits

TEK37 series

Single Column Desk Frame

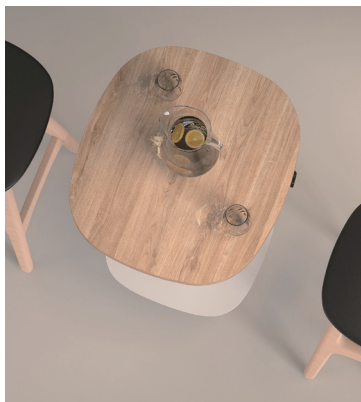
Max. load
60kg

Constant speed
40mm/s

Frame dimensions (mm)
Length×Width: 300×300

Frame height (mm)
3-Stage (coffee table): 440~730
2-Stage (side table): 645~1045





Embedded Desk Solution

TL25 series

New Style Mechanism for
Height Adjustable Platform

Max. load

200N / 500N / 1000N / 1500N (push)

Max. speed at no load

25mm/s

Retracted length (mm)

Stroke + 360

Stroke (mm)

100~500

Outer profile (mm)

50*100 rectangular



Embedded Desk Solution

TL25B series

New Style Mechanism for
Height Adjustable Platform

Max. load

500N (push)

Max. speed at no load

25mm/s

Retracted length (mm)

Stroke + 380

Stroke (mm)

100~500

Outer profile (mm)

50*100 rectangular



NEW



Colors (RAL Classic)

Standard color for TL series



RAL9005



RAL9006



RAL9016



RAL9022



RAL7021



RAL7024

*For more color options, please consult your sales representative.



TLxK Lifting Columns



Model	TL13K	TL14K	TL30K	TL32K	TL14KR
Max. load	600N (push)				
Speed (mm/s) at no load, 24V DC	32				
Retracted length (mm)	645				
Stroke (mm)	500				
Outer profile (mm)	70*70 square	Ø70 round	90*60 rectangular	83*53 rectangular	Ø70 round, upside down

TLxK Lifting Columns

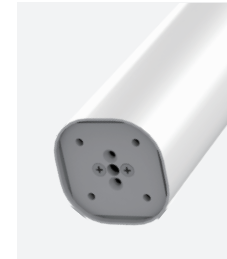


Model	TL4K	TL9K	TL31K
Max. load	600N (push)		
Speed (mm/s) at no load, 24V DC	38		
Retracted length (mm)	590 / 560 (M) / 520 (S)	590 / 560 (M)	590 / 560 (M) / 520 (S)
Stroke (mm)	650 / 660 (M/S)	650 / 660 (M)	650 / 660 (M/S)
Outer profile (mm)	70*70 square	Ø70 round	90*60 rectangular



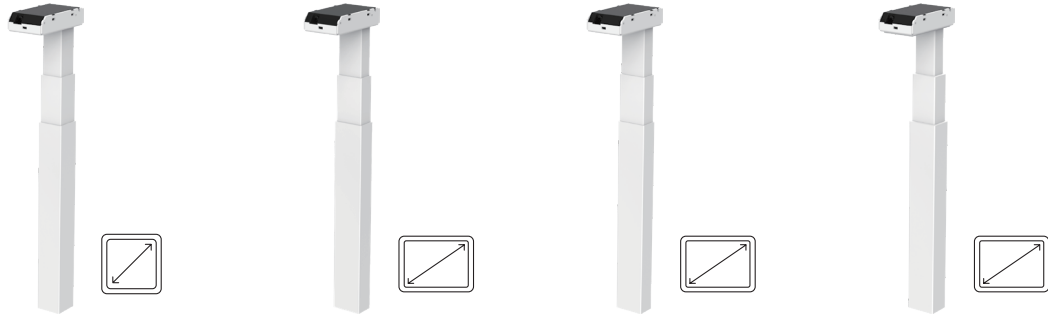
Model	TL33K	TL33KR	TL41K
Max. load	600N (push)		
Speed (mm/s) at no load, 24V DC	38		
Retracted length (mm)	590 / 560 (M) / 520 (S)		
Stroke (mm)	650 / 660 (M/S)		
Outer profile (mm)	83*53 rectangular	83*53 rectangular, upside down	80*50 rectangular

TLxK Lifting Column



Model	TL45K
Max. load	600N (push)
Speed (mm/s) at no load, 24V DC	38
Retracted length (mm)	590 / 560 (M)
Stroke (mm)	650 / 660 (M)
Outer profile (mm)	Overall width / length 70 soft square

TFLx FastRise Lifting Columns



Model	TFL4S	TFL33S	TFL41S	TFL10
Max. load	600N (push)			
Speed (mm/s) at no load, 24V DC	75			
Retracted length (mm)	590 / 560 (M) / 520 (S) / 800 (XL)	590 / 560 (M) / 520 (S)		590 / 560 (M) / 520 (S) / 800 (XL)
Stroke (mm)	650 / 660 (M/S) / 1000 (XL)	650 / 660 (M/S)		650 / 660 (M/S) / 1000 (XL)
Outer profile (mm)	70*70 square	83*53 rectangular	80*50 rectangular	80*60 rectangular

TFLx FastRise Lifting Columns



Model	TFL9	TFL31S	TFL12
Max. load	600N (push)		
Speed (mm/s) at no load, 24V DC	75		
Retracted length (mm)	590 / 560 (M)		590 / 560 (M) / 520(S) / 700 (XL)
Stroke (mm)	650 / 660 (M)		650 / 660 (M/S) / 950 (XL)
Outer profile (mm)	Ø70 round	90*60 rectangular	80*60 rectangular, upside down

Strive for efficiency and fast results ?

TiMOTION's FastRise column series is the fast solution for height adjustment applications that help you increase productivity.

Get to your desired height in just a breath.



TLxH Lifting Columns



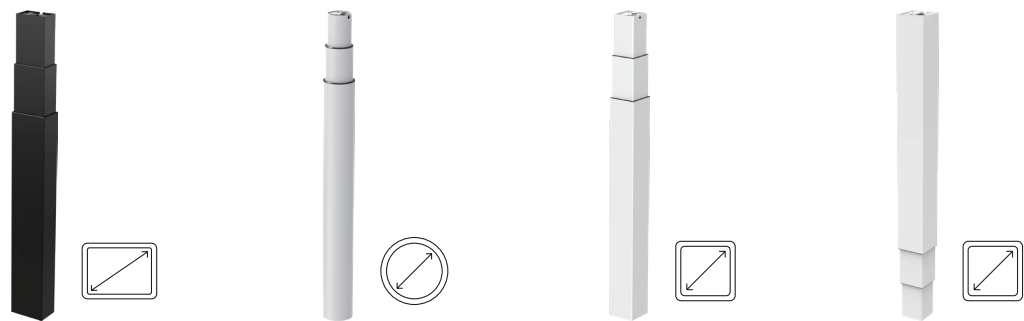
Model	TL4H	TL10H	TL12H	TL15H	TL26H
Max. load	1200N (push)				
Max. speed at no load (mm/s)	23			28	
Retracted length (mm)	590		590 / 700 (XL)		645
Stroke (mm)	650		650 / 950 (XL)		500
Outer profile (mm)	70*70mm square	80*60 rectangular	80*60 rectangular, upside down	80*60 rectangular	80*60 rectangular, upside down

TPLx Powerful Lifting Column



Model	TPL07
Max. load	1600N (push)
Speed (mm/s) at no load, 24V DC	33
Retracted length (mm)	590
Stroke (mm)	650
Outer profile (mm)	80*50 rectangular

Inline Lifting Columns



Model	TL35S	TL6	TL20S	TL20SR
Max. load	700N (push)			
Max. speed at no load (mm/s)	46			
Retracted length (mm)	590 / 560 (M) / 520 (S)			590
Stroke (mm)	650 / 660 (M/S)			650
Outer profile (mm)	97*67 rectangular	Ø70 round	70*70 square	70*70 square, upside down



Model	TL37S	TL38SR	TL39R
Max. load	700N (push)		
Max. speed at no load (mm/s)	44		
Retracted length (mm)	645		
Stroke (mm)	430		
Outer profile (mm)	90*60 rectangular	63.5*63.5 square, upside down	Ø70 round, upside down



Control Boxes



Model	TC11P	TC15F	TC15S	TC16P	TC22
Number of motors	1	2	2	3	1~4
Max. output	32V DC, 6A	32V DC, 12A	32V DC, 8A	32V DC, 10A	32V DC, 12A
Features	• t-touch built-in • Support battery	• Solid-state circuitry • t-touch / Bluetooth built-in • Support battery	• t-touch / Bluetooth built-in • Support battery		

Gear Motors



Model	TGM1	TGM2	TGM3	TGM4	TGM7
Max. rated torque	7.4Nm	21.8Nm	4.6Nm	4Nm	7.2Nm
Max. speed at max. load	72RPM (±5%)	86.9~96RPM (±5%)	61RPM (±5%)	98RPM (±5%)	78RPM (±5%)
Max. speed at no load	262.5RPM (±5%)	118.7~145.1RPM (±5%)	259RPM (±5%)	219RPM (±5%)	355RPM (±5%)

Built-In Spindle Units



Model	TBS1	TBS2	TBS3	TBS4	TBS9
Recommended stroke (mm)	20~600	50~800	20~600	20~600	50~800
Retracted length (mm)	$\geq \text{stroke} + 93$ (without inner tube)	$\geq \text{stroke}/2 + 115$	$\geq \text{stroke} + 80$	$\geq \text{stroke} + 120$	$\geq (\text{stroke}/2) + 165$
Max. load	1000N				800N
Features	Suitable for customized lifting system	Suitable for 3-stage columns	Suitable for 2-stage columns	• Suitable for 2-stage columns • 4-directional transmission capability	• Suitable for 3-stage columns • 4-directional transmission capability

TA20 series

**3-stage Inline Actuator for
Lifting Columns**

Max. load
700N (push)

Max. speed at no load
63mm/s

Retracted length (mm)
 $\geq (\text{Stroke}/2) + 177$

Stroke (mm)
50~800

Outer diameter (mm)
45



TA45 series

**2-stage Inline Actuator for
Lifting Columns**

Max. load
700N (push)

Max. speed at no load
44mm/s

Retracted length (mm)
 $\geq \text{Stroke} + 200$

Stroke (mm)
50~600

Outer diameter (mm)
45



NEW

Hand Controls



TFH8 / TDH16



TFH21



TH14



TH37 / TDH15



TDH29



TDH3



TDH5 / TDH5C



TDH6 / TDH6PR



TDH8



TDH8D



TDH8P



TDH9P



TDH11P



TDH12P



TDH13P



TDH17

Hand Controls



TDH18P



TDH20P



TDH24P



TDH24P



TDH27P



TDH1



TDH2



TDH4



TFH13



Hand Controls

USB-C Fast Charger Hand Control



TDH9C



TDH18C



TDH9C

- USB-C fast charger: 30W max. output
- Power supplied by control box, requiring no additional cables

TDH9C



TDH18C

- USB-C fast charger: 48W max. output
- Power supplied by control box, requiring no additional cables
- Optional additional rear USB-C charging port for powering equipment such as a wireless charger, lights, speakers, etc..

TDH18C



Integrated Hand Controls

The cost-effective solution which combines the traditional control box and hand control into one compact unit. Less components, higher efficiency.



TCH1

- Supports 1 motor
- Simple up / down buttons



TCH2P

- Supports 1~2 motors
- 2 memory positions
- Instant height display



TCH3

- Supports 2 motors
- Simple up / down buttons
- Built-in t-touch

TCH5P

- Supports 2 motors
- TFT display
- LED light strip
- USB-C fast charger
- Built-in Bluetooth



NEW

Power Supplies

NEW



TP15

Input voltage
100~240V AC

Max. output
29V DC, 4.5A

Plug support
EU, USA, AUS, UK, JPN

Color
Black

Certificate
UL, CE, GS, RCM,
PSE, KC, GEMS

Screw fixing holes available

NEW



TP16

Input voltage
100~240V AC

Max. output
29V DC, 8A

Plug support
EU, USA, AUS, UK, JPN

Color
Black

Certificate
UL, CE, GS, RCM,
PSE, GEMS



Accessories

USB-C Fast Charger

TFA6

Energize Your Workspace

- 70W max. output
- USB-A x 1, USB-C x 1
- Power supplied by control box, requiring no additional cables
- Smart Pop-Up design and flexible mounting options



Accessories

for TEK series



TBB9



TCS1



TFA6



TWC



TWD1



Foot Castors



Foot Castors

NEW



Accessories

for TEK series



Mobile App
Smart Move+



Mobile App
Stand Up Pls

Smart Move+
iOS



Smart Move+
Android



Stand Up Pls
iOS

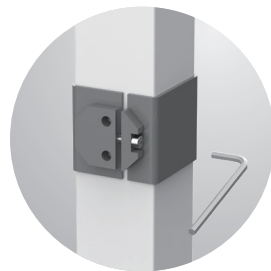
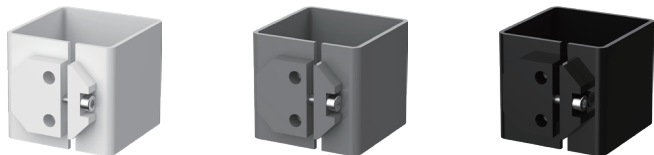


Stand Up Pls
Android



Unique Frame Variation

Converting Solution from Single Desk to Bench



Attachable Bracket

An attachable bracket is a sleeve-like component that links columns together. It is a simple but effective way to swap back and forth from single desk to bench or other types of configurations.

Unique Frame Variation

Wall-Mount Solutions



TEK23



TEK17



TEK23 & TEK17

Customized frame dimensions allow the height adjustable desk to be easily mounted on a wall, freeing up valuable floor space all while providing unique functionality and ambiance to any space.

Cable Management

Cable Tray

The cable tray manages the cables for electronic items placed on the work surface (e.g., laptops, monitors, lamps). Different tray types are available for slidable and fixed end pipes.



Cable tray for office benching system.



Cable Management

Cable Tray



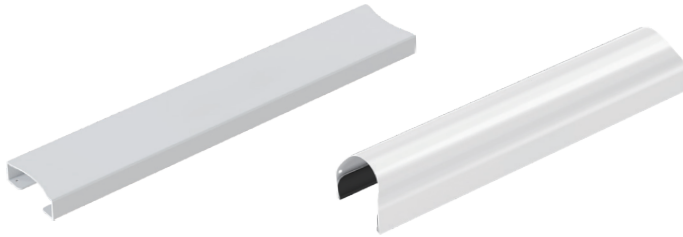
Telescopic cable tray



NEW

Cable Management

Cable Duct



Options for removable cable ducts can be effortlessly attached to the columns providing an elegant cable management solution to keep your workspace free of clutter and trip hazards.



Cable Management

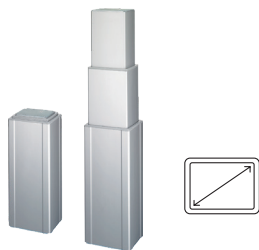
Magmatic Cover Hood



Easily conceal cables and electronics with the magnetic cover hood to furnish a sleek and elegant appearance. The hood can be easily attached and detached from the frame allowing easy access to the concealed cables and electronics.



Industrial Workbench Columns



TL3

Max. load
4000N (push)

Max. speed at no load
39mm/s

Retracted length (mm)
 $\geq \text{Stroke}/2 + 150$

Stroke (mm)
250~1200

Outer profile (mm)
177.4*150.7 rectangular

Stages
3-stage



TL56

Max. load
2000N (push)

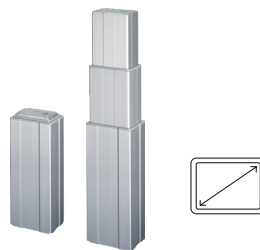
Max. speed at no load
32.6mm/s

Retracted length (mm)
 $\geq \text{Stroke}/2 + 150$

Stroke (mm)
250~400

Outer profile (mm)
Ø144 round

Stages
3-stage



TL17

Max. load
2000N (push)

Max. speed at no load
41mm/s

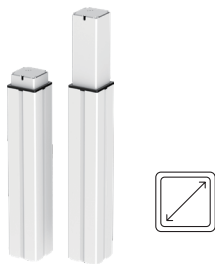
Retracted length (mm)
 $\geq \text{Stroke}/2 + 150$

Stroke (mm)
250~1200

Outer profile (mm)
169.4*121.4 rectangular

Stages
3-stage

Industrial Workbench Columns



TL19

Max. load
800N (push)

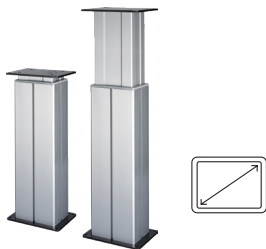
Max. speed at no load
47mm/s

Retracted length (mm)
645

Stroke (mm)
500

Outer profile (mm)
110*110 square

Stages
2-stage



TL18

Max. load
4500N (push)

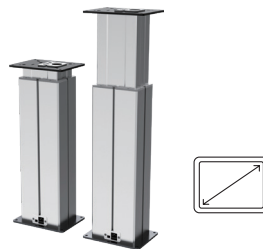
Max. speed at no load
45mm/s

Retracted length (mm)
 $\geq \text{Stroke} + 147$

Stroke (mm)
100~1000

Outer profile (mm)
196.4*148.4 rectangular

Stages
2-stage



TL18AC

Max. load
4500N (push)

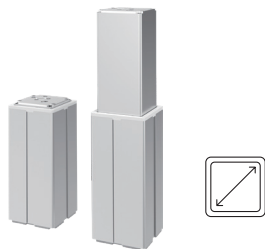
Max. speed at no load
45mm/s

Retracted length (mm)
 ≥ 383

Stroke (mm)
20~700

Outer profile (mm)
196.4*148.4mm rectangular

Stages
2-stage



TL24

Max. load
3300N (push)

Max. speed at no load
38mm/s

Retracted length (mm)
 $\geq \text{Stroke} + 188$

Stroke (mm)
100~600

Outer profile (mm)
110*110 square

Stages
2-stage



TL54

Max. load
2,000N (push)

Max. speed at no load
21mm/s

Retracted length (mm)
 $\geq \text{Stroke}/2 + 150$

Stroke (mm)
250~600

Outer profile (mm)
121.4*169.4 rectangular

Stages
3-stage



TV Lift Columns



TVL3

Max. load
600N (push)

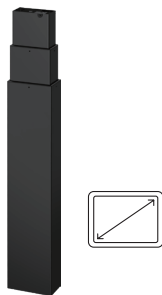
Max. speed at no load
32mm/s

Retracted length (mm)
570 (S) / 685 (M) / 795 (L)

Stroke (mm)
650 (S) / 780 (M) / 914 (L)

Outer profile (mm)
120*70

Stages
3-stage



TL5

Max. load
800N (push)

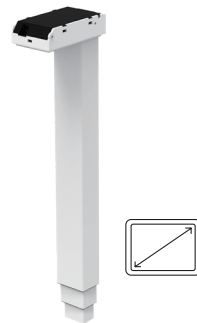
Max. speed at no load
36mm/s

Retracted length (mm)
560

Stroke (mm)
675

Outer profile (mm)
120*70 rectangular

Stages
3-stage



TL12 (XL)

Max. load
800N (push)

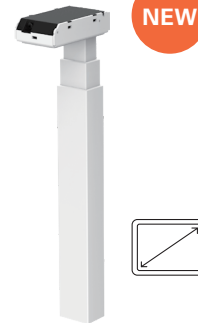
Max. speed at no load
48mm/s

Retracted length (mm)
700

Stroke (mm)
950

Outer profile (mm)
80*60 rectangular,
upside down

Stages
3-stage



TFL10 (XL)

Max. load
600N (push)

Max. speed at no load
110mm/s

Retracted length (mm)
800

Stroke (mm)
1000

Outer profile (mm)
80*60 rectangular

Stages
3-stage

Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application. TiMOTION takes great care in providing accurate and up-to-date information on its products. However, due to continuous development, frequent modifications and changes to products may occur without prior notice. It is for this reason that TiMOTION cannot guarantee the correct and actual status of said information on its products, nor can it guarantee the availability of any particular product.

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TiMOTION uses FSC certificated paper in order to help care for our forests, as well as the people and wildlife who call them home.



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