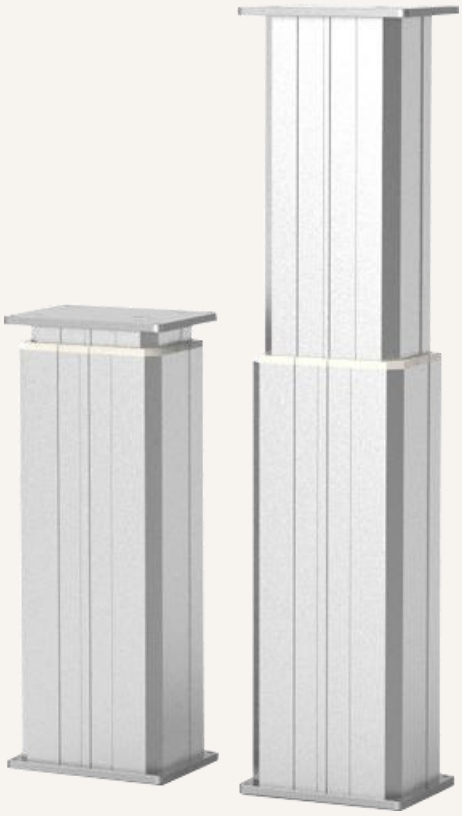
HTA2 (HTJC-A2)

Series model

Lifting Column



Applications

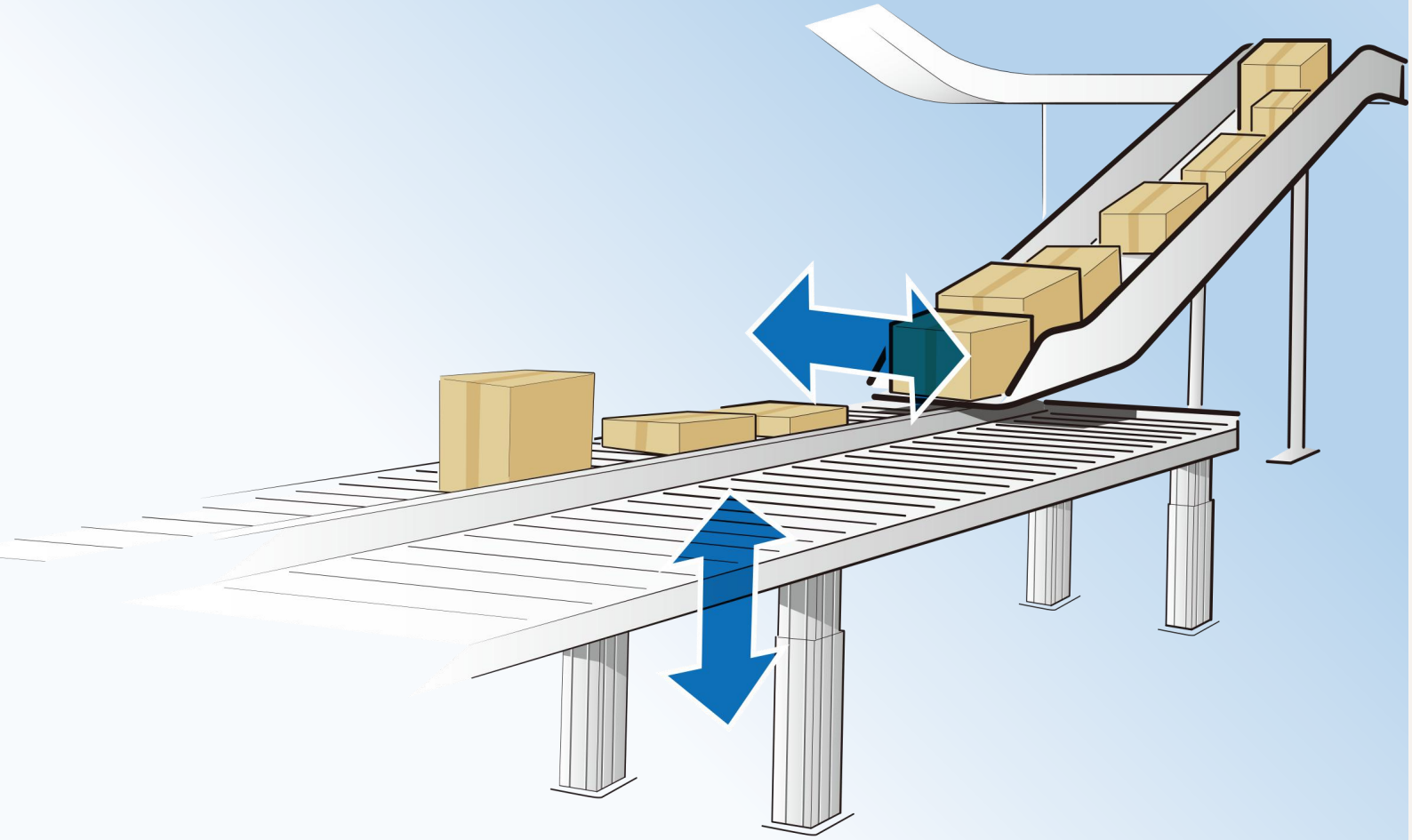
1. Medical
2. Furniture
3. Office
4. Industrial
5. Construction
6. Laser Machine

HT-A2 Lifting Columns are designed for a variety of workstation applications such as office desks, workstations, assembly stations, medical instruments, lifting platforms, and kitchen height adjustments, furniture, caravan, etc.

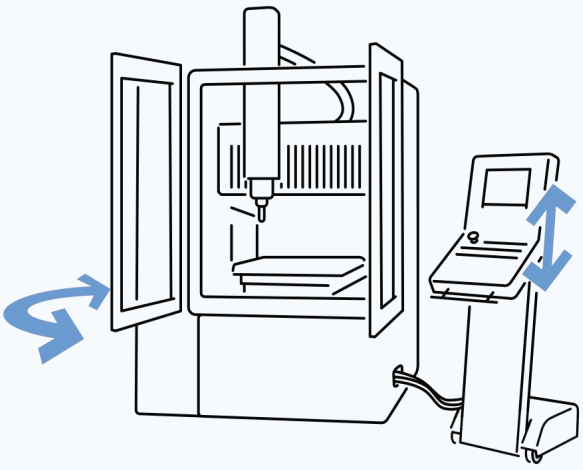
We offer the control unit for a 100% synchronization function to achieve 2/3/4/6 columns working up and down at the same height.

Features	
Voltage:	12V, 24V DC, or 220V AC
Max Push/Pull Force:	8000N(push), 2000N（pull）
Speed @ Full load:	4.mm / s (load 8,000N)
Retracted Length:	stroke + 180mm stroke + 200mm(S >400 MM）
Dynamic Torque: Static Torque:	350Nm 600Nm
Color: Noise:	Silver 48-50DB
Quality Management:	ISO9001-2008，certified by CE and ROHS
Ambient temp. Range: Operating Temp. Range:	+5 ° C ~ + 45 ° C -35 ° C ~ + 85 ° C
Protection Level: Screw Type:	IP54 Trapezoidal
Signal Output:(optional) Control System:(optional)	Hall sensor Synchronous Control(100%),Separate Control, memorized
Material: Limit Switches:	Aluminium alloy Built-in(not adjustable)
Duty Cycle:	2min on, 18min off

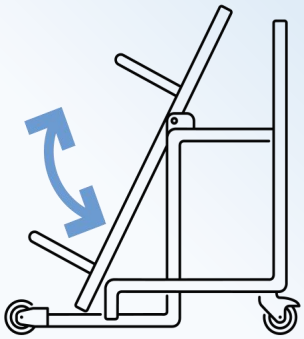
Automation conveyor



Tooling machine



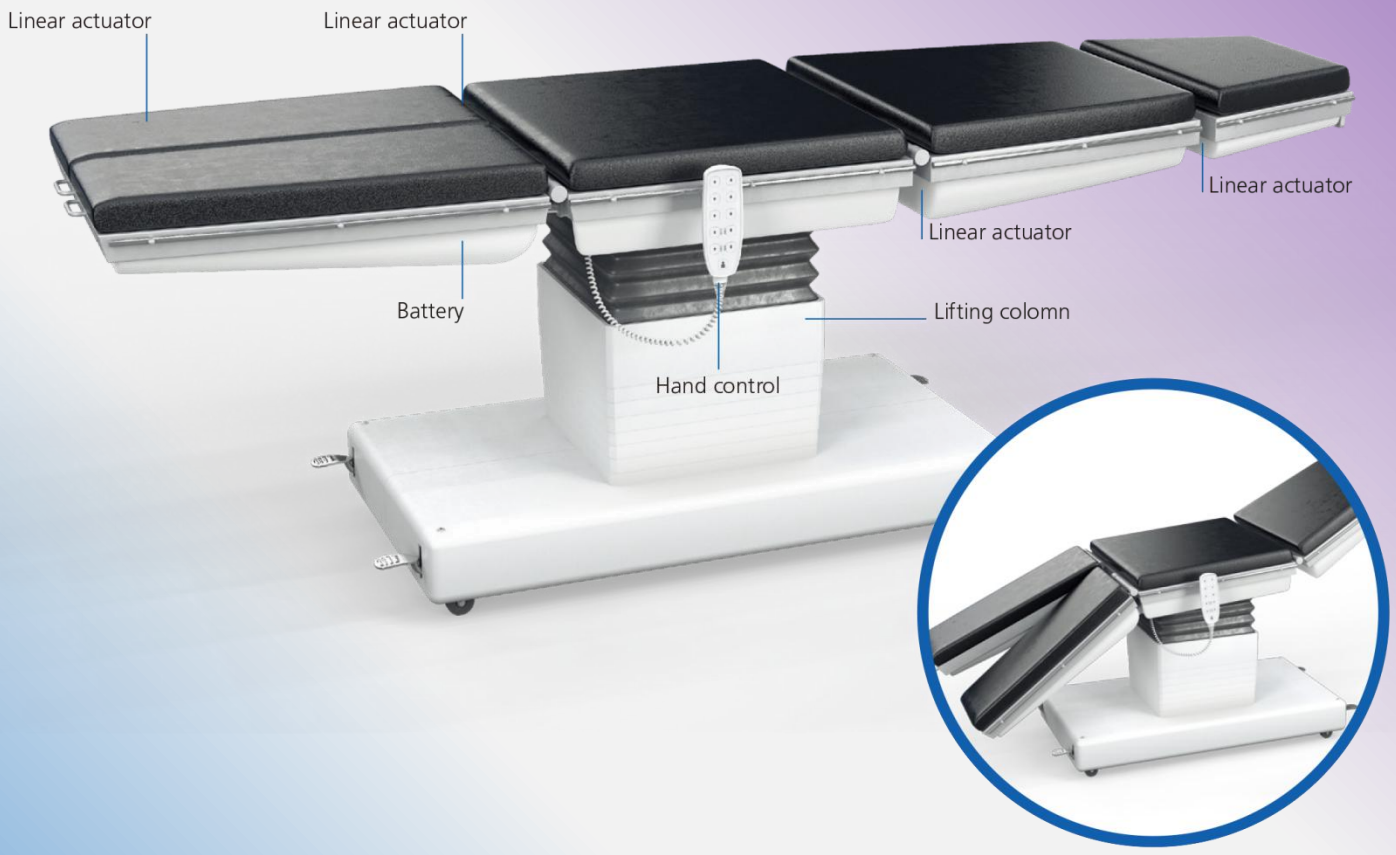
Library automation



GeMinG Linear Drive

Linear System in Medical Application

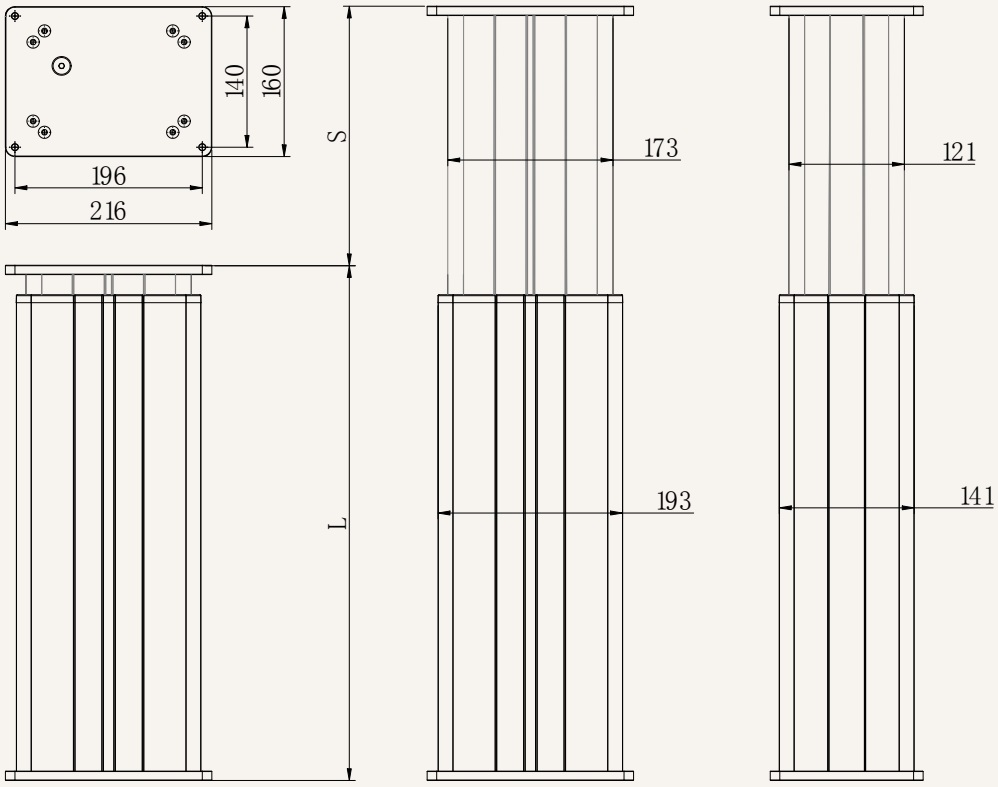
Accurate, powerful, fast and flexible.



GeMinG
Linear Drive

Drawing

Dimension
(MM)



S: Stroke

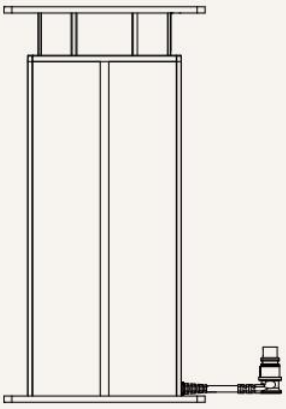
L: Retracted length

L=Stroke +180mm

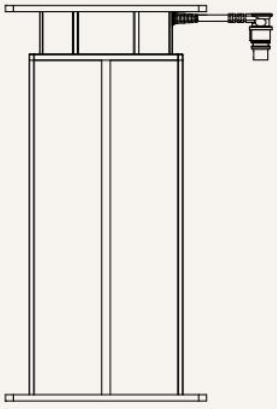
S>=400MM, L=Stroke +200MM

Cable outlet

1 = Lower side outlet



2 = Upper side outlet



LOAD & SPEED

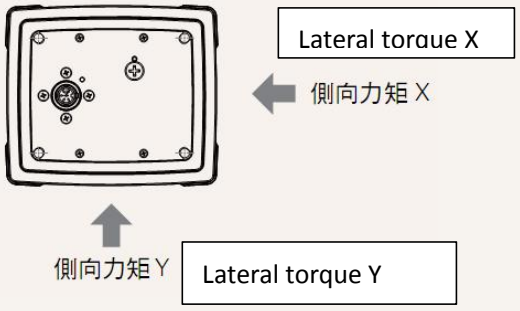
Code	Rated Load Push (N)	Rated Load Pull (N)	Self-locking Static (N)	Rated Current Full-load (A)	Rated Speed No-load (mm/s)	Rated Speed Full-load (mm/s)
Voltage (24V DC)						
A	8000	2000	6000	5.4	4.0	3.0
B	6000	2000	6000	5.4	6.0	4.5
C	4000	2000	4000	5.4	8.0	6.8
D	2000	2000	2000	5.4	10.0	9.2
E	1000	1000	1000	4.6	22.0	18.1

Remark

1. The current and speed in the table are the averages tested when using push force.
2. The current of a 12V motor is about twice that of a 24V motor, while 36V motor is about 2/3 of that of a 24V motor, the speed is about the same.
3. The current & speed results in the table are based on the use of a GaMinG brand control box, and there will be an error of about 10% depending on different types of the control box.
4. Lateral moment Y direction = X * 0.8
5. Static lateral torque = dynamic * 2

Dynamic lateral torque (Nm) -X direction

Stroke	S/2+180	S/2+220
100-300	700	900
300-500	500	800
500-700	300	500
700-900	200	200



Reference Chart

HTA2			Load ±10%（N）			Speed ± 2 (mm / sec)			
Load	8000	6000	4000	2000	1000				
Speed	4	6	8	10	22				

HTA2			Stroke ± 2 (mm)			Retracted length ± 2 (mm)			
Stroke	50	100	150	200	250	300	350	400	450
Retracted	230	280	330	380	430	480	530	600	750

Remark:

Stroke & Retracted length:

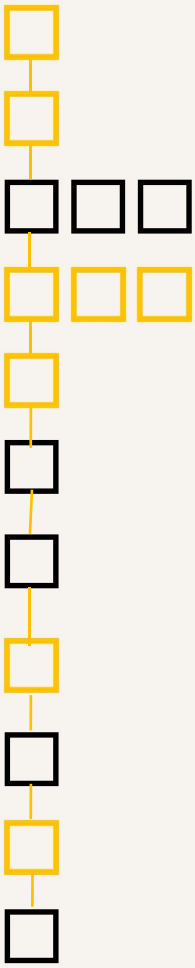
1. If stroke <400mm, Retracted length = stroke +180mm

Eg. Stroke 100mm, retracted length=280mm, extended length=380mm

2. If stroke >=400mm, Retracted length = stroke +200mm

Eg. Stroke 400mm, retracted length=600mm, extended length=1000mm

HTA2 Model



Voltage	12 = 12V DC	24 = 24V DC		
Speed(mm/s)	Refer to Page 6			
Stroke(mm)				
Retracted Length(mm)	Refer to page 6			
Load(n)	Refer to page 6			
Mounting Plates Reter to page 8	1 = smaller plates, with 4 fixing holes		2 = bigger plates, with 4 fixing holes	
Cable outlet Refer to page 5	1 = Lower side		2 = Upper side	
Wire/Plug Refer to page 8	1 = stripped wire 3 = 4 pin 0° straight plug		2 = 4 pin 90° curved plug 4 = 6 pin 0° straight plug	
Screw	P = Trapezoidal			
Signal Output	N = NO	H = HALL SENSOR		
Cable length	1 = 600mm	2 = 1000mm	3 = 1500mm	4 = customized

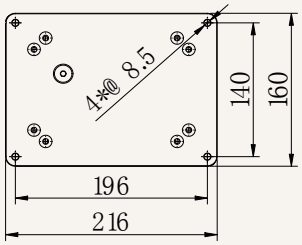
Eg.:

voltage 24V DC, stroke 100MM, speed 4MM/s, load 8000N

Code:HTA2-24-6-100-280 / 380-A-1-1-1-P-A-N-1

Mounting Plates

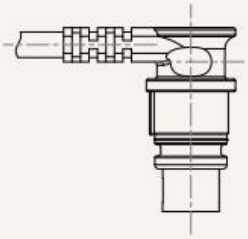
1 = smaller plates



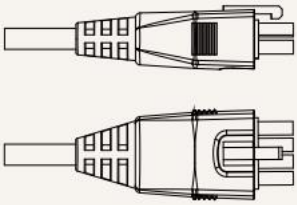
Wire/Plug

1 = stripped wire

2 = 4 pin 90° curved plug



3 = 4 pin 0° straight plug



4 = 6 pin 0° straight plug