

HTB2

Series model

Lifting Column



Applications

1. Industrial

Workbenches
Assembly tables
Laser machine

2. Medical

Medical lifting equipment
Dental Chair
Medical bed
X-ray machine

3. Furniture

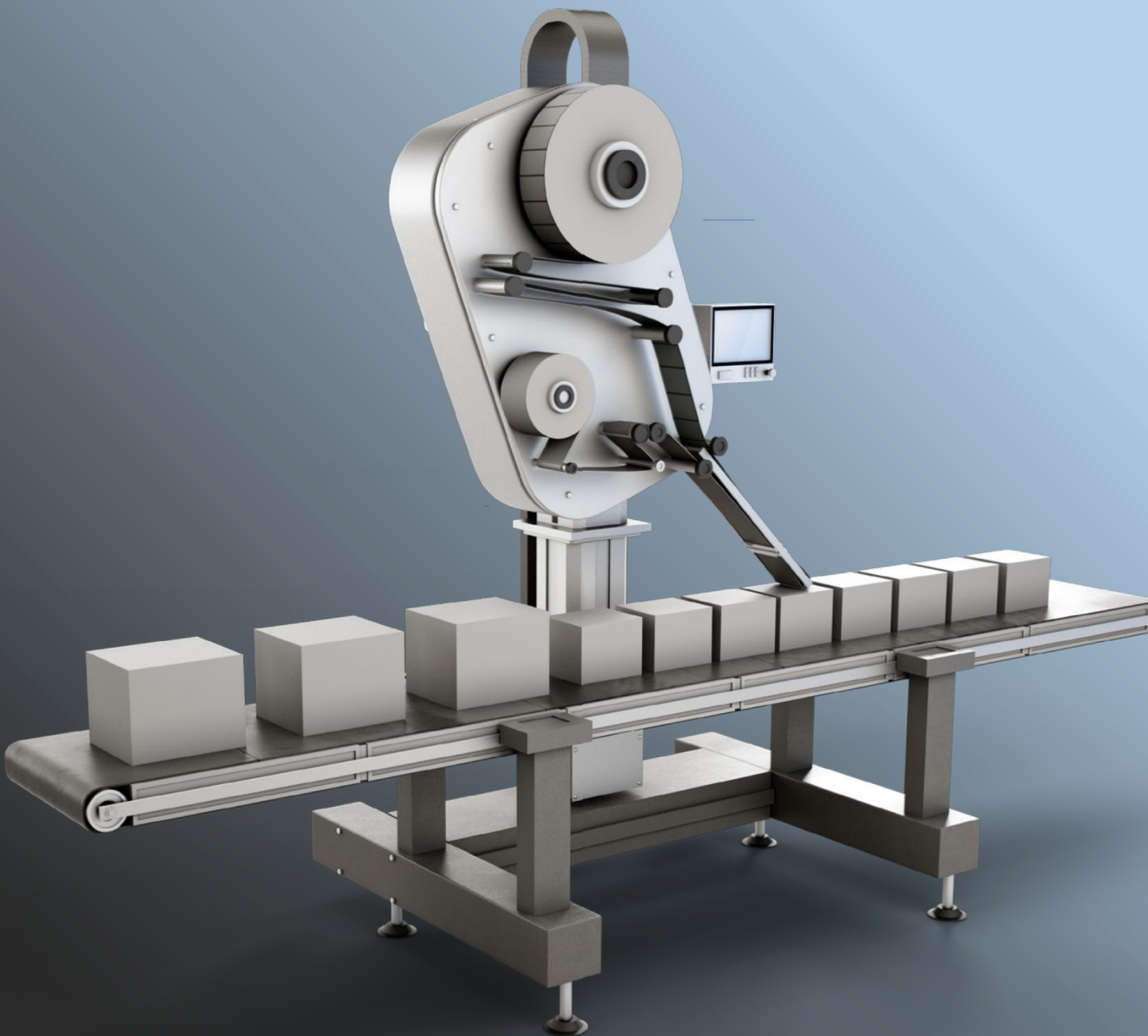
Lifting projectors
Coffee tables
Bar tables
Kitchen height adjustable
Conference room audition

The HTB2 lifting column is suitable for a variety of workstation applications. With a full-featured office series control box and hand command, It is available for individual working and synchronized working with 2 to 16 lifting columns according to different application environments

Features	
Voltage:	12V, 24V DC, or 220V AC
Max Push/Pull Force:	4000N (Push) 1000N (Pull)
Speed @ Full load:	4.mm / s (load 4,000N)
Retracted Length:	stroke + 180mm stroke + 200mm(S >400 MM)
Dynamic Torque:	250Nm
Static Torque:	400Nm
Color:	Silver
Noise:	48-50dB
Quality Management:	ISO9001-2008, certified by CE and ROHS
Ambient temp. Range:	+5 ° C ~ + 45 ° C
Operating Temp. Range:	-35 ° C ~ + 85 ° C
Protection Level:	IP54
Screw Type:	Trapezoidal
Signal Output:(optional)	Hall sensor
Control System:(optional)	Synchronous Control(100%),Separate Control
Material:	Aluminium alloy
Limit Switches:	Built-in(not adjustable)
Duty Cycle:	2min on, 18min off

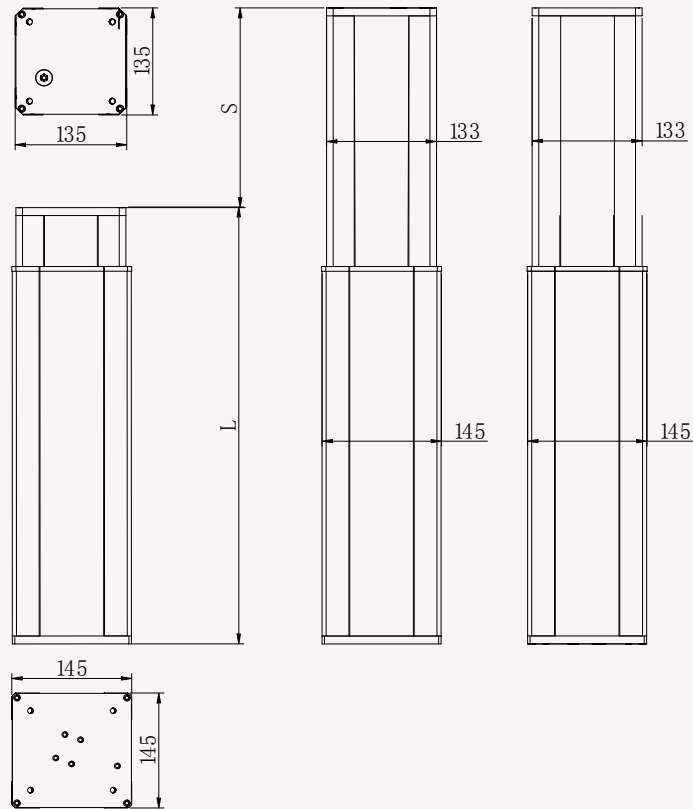
Labeling machine positioning

- Height adjustment
- Horizontal adjustment



Drawing

Dimensions
(MM)



S: Stroke

L: Retracted length

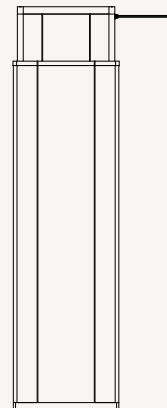
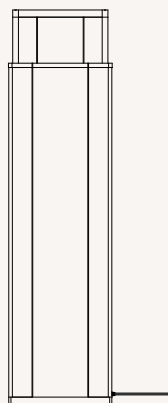
L = Stroke + 180mm

S ≥ 400MM, L = Stroke + 200MM

Cable outlet:

1=Lower side outlet

2=Upper side outlet



LOAD & SPEED

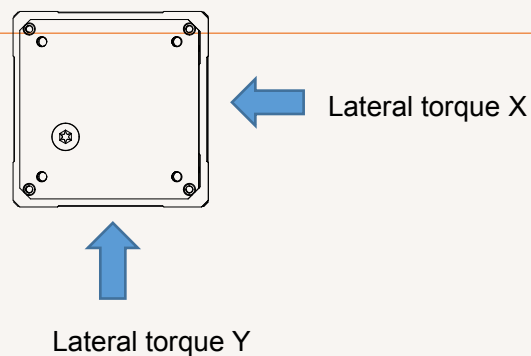
Code	Rated Load		Self-locking Static (N)	Rated Current Full-load (A)	Rated Speed	
	Push (N)	Pull (N)			No-load (mm/s)	Full-load (mm/s)
Voltage (24V DC)						
A	4000	1000	4000	5.4	5.7	4.5
B	2000	1000	2000	5.4	11.3	6.5
C	1000	1000	1000	5.4	22.7	12.

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 Range	S/2+180	S/2+220
100-300	300	400
300-500	250	350
500-700	200	300
700-900	100	200



Reference Chart

HTB2	Load±10% (N)			Speed ± 2 (mm / sec)					
load	4000	2000	1000						
speed	5	10	20						

HTB2	Stroke ± 2 (mm)					Retracted Length ± 2 (mm)			
stroke	50	100	150	200	250	300	350	400	450
L	230	280	330	380	430	480	530	600	750

Remark:

Stroke can be customized from 50mm to 900mm(please confirm it with Geming sales team).

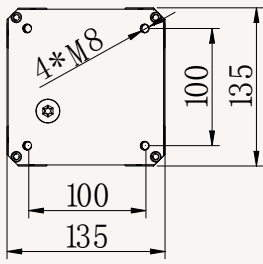
HTB2				
<input type="checkbox"/>	Voltage	12=12V DC	24=24V DC	110-220= with controller
<input type="checkbox"/>	Speed(mm/s)	Refer to Page 4		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Stroke(mm)			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Retracted length(mm)	Refer to page 4		
<input type="checkbox"/>	Load(n)	Refer to page 4		
<input type="checkbox"/>	Mounting Plates Refer to page 6	1 = smaller plates, with 4 fixing holes	2 = bigger plates, with 4 fixing holes	
<input type="checkbox"/>	Cable outlet Refer to page 3	1 = Lower side	2 = Upper side	
<input type="checkbox"/>	Wire/Plug Refer to page 6	1 = stripped wire 3 = 4 pin 0° straight plug	2 = 4 pin 90° curved plug 4 = 6 pin 0° straight plug	
<input type="checkbox"/>	Screw	P = Trapezoidal	丝杆	
<input type="checkbox"/>	Signal Output	N = NO	H = HALL SENSOR	
<input type="checkbox"/>	Cable length	1 = 600mm	2 = 1000mm	3 = 1500mm 4 = customized
Eg.: voltage 24V DC, stroke 100MM, speed 5MM/s, load 4000N Code: HTB2-24-5-100-280 / 380-4000-1-1-1-P-A-N-1				

Statement

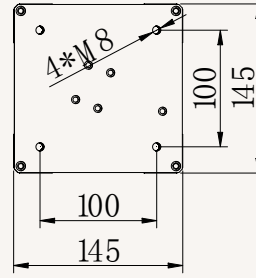
It is the user's responsibility to determine whether the licensed application is suitable for a particular product. However, as the research and development process continues to improve its product performance, GEMING can make modifications or changes without prior notice. Therefore, GEMING reserves the right to stop sales on the company's website, product catalog, terms of use or all other written information. All kinds of physical and chemical information can maintain the most accurate and true state.

Upper Mounting Plates

1= smaller plates

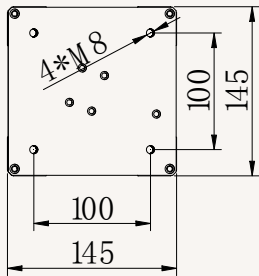


2= bigger plates

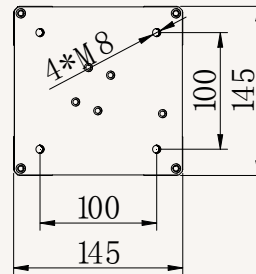


Bottom Mounting Plates

1= smaller plates

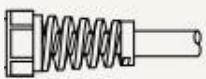


2= bigger plates

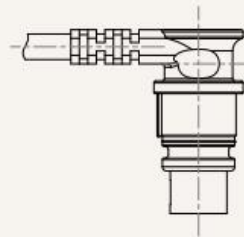


Wire/Plug

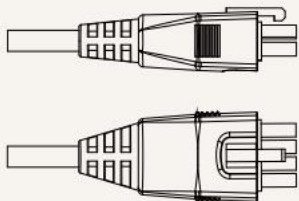
1= stripped wire



2= 4 pin 90° curved plug



3= 4 pin 0° straight plug



4= 6 pin 0° straight plug

