

Raphael 404

(Auto Cocking Drop Table)

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OUTLINE

Name	Orthopedic Adjustment Table
Model No.	R404 _ P
Intended Use	Adjust the human body
Permission No.	21 – 4263
Features	<p>This equipment is to adjust the human body into the correct position and has 6 sections(cervical, thoracic, lumbar, pelvic, ankle and armrests cushions). It is equipped with control panel for drops, switches and levers. The drop is controlled with control panel and pedals. Bar switches provide electric height adjustment.</p>



SAFETY INFORMATION

DEFINITION OF SYMBOLS

Sign	Feature
	Caution: May cause electric shock, breakdown or damage the table.
	Refer to the instruction manual.
	Carefully read these instructions prior to use(safety signal).
	Electric Protection : Type B Applied Part
	Do not push.
	Do not sit on the end of the equipment.
	Do not stand or step on the end of the equipment.



CAUTION

Refer to the instruction manual before use.



CAUTION

Don't allow patients to sit on or lean on the end of the equipment. Patients can only use this equipment under control from qualified personnel.



CAUTION

Explain air drop sound carefully to the patient before using the air drops.



CAUTION

When the equipment malfunctions or is defective, stop the equipment immediately and inspect.

SAFETY INFORMATION



CAUTION

Allow only qualified, trained personnel to operate this product.



CAUTION

Unauthorized modifications to this product are not permitted and will void the manufacturer's warranty.



CAUTION

Be careful of next requirements after use.

- Unplug when you don't use the equipment for a long time.
- If the equipment malfunctions, conduct appropriate inspection and contact authorized engineer.



CAUTION

Be careful of the followings while the equipment is being installed.

- Keep the equipment away from water, chemicals and gas.
- Do not place the table in adversely affected places by temperature, humidity and dust.
- Be careful of vibration and impact during installation and delivering.
- Only use approved power supplies.
- Make sure to connect the ground correctly.
- Ensure the equipment to be plugged and unplugged easily.
- Keep the equipment away from other devices that may interfere with.



CAUTION

Be careful of the followings prior to use.

- Make sure to connect the table correctly, safely.
- Ensure the ground is connected correctly.
- Overcurrent may cause danger.
- The equipment must be installed on level ground.

Prohibition

This equipment may cause danger to the following people with

- | | | |
|-------------------|--------------------|---------------------------|
| ① malignant tumor | ② pregnancy | ③ fracture, joint problem |
| ④ blood pressure | ⑤ cardiac disorder | ⑥ injury |
| ⑦ menstruation | ⑧ polio | |
| ⑨ heart disease | ⑩ brain hemorrhage | |

Essential Requirement

This equipment is not required to have essential requirement based on individual specifications, risk assessment and clinical data

Environment Condition

Temperature Range : (10 ~ 40) °C

Humidity Range : (30 ~ 75) %

Packing and Transportation

This equipment is packed in the appropriate way for delivery. Unauthorized packing or delivery may damage the equipment. If you need to move or transport the equipment, please follow the instruction manual or contact authorized personnel.

Waste Disposal

Follow the regional regulation.

Product Information

SECTION	SPECIFICATIONS	
Dimensions	71.3"(L) × 21.3"(W) × 20" ~ 35"(H)	
Power	110V ~ 240V, 50 / 60Hz, 250	
Weight	VA 128kg	
Patient Capacity	150kg	
Classification	Class1	
Applied Part	Type B Applied part	
Mode of Operation	Discontinuous operation (Duty cycle 10%, Max. 2min operate / Min. 18min stop)	
Software Version	Raphael-404-V1.0	
Angle(°)	Head piece	-28° ~ 20°
Length	Ankle support	7.9"
Height	Head piece	3.9"
	Ankle support	3.9"
Packing unit	SET	

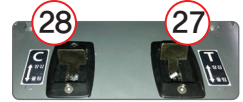
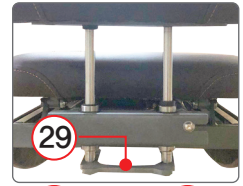


Product Information



NO.	NAME	FUNCTION
01	Head piece	Support the patient head
02	Paper cutter	Cut the paper roll
03	Tension knob	Adjust the cervical drop intensity
04	Cervical drop lever	Cock the cervical drop
05	Armrest	Support the patient arm
06	Thoracic drop lever	Cock the thoracic drop
07	Tension knob	Adjust the thoracic drop intensity
08	Thoracic cushion	Support the patient chest
09	Lumbar drop lever	Cock the lumbar drop
10	Tension knob	Adjust the lumbar drop intensity
11	Lumbar cushion	Support the patient lumbar
12	Pelvic drop lever	Cock the pelvic drop
13	Tension knob	Adjust the pelvic drop intensity
14	Pelvic cushion	Support the patient pelvic
15	Control panel	Adjust the drop (auto/semi-auto)

Product Information



NO.	NAME	FUNCTION
16	Ankle support	Support the patient ankles
17	Side cover	Protect the control panel and side
18	Actuator	Elevation actuator
19	X-type frame	Connect the upper and lower parts
20	Base cover	Protect the base and cables
21	Power switch, socket	Connect the power cord and foot pedals
22	Levelling foot	Level the table
23	Foot pedal	Cock the drop (semi-auto)
24	Elevation bar	Adjust the table height(up)
25	Control box	Control the elevation bar and the actuator
26	Elevation bar	Adjust the table height(down)
27	Head piece lever (height)	Adjust the head piece height
28	Head piece lever (angle)	Adjust the head piece angle
29	Ankle support handle	Adjust the ankle support height

Product Information

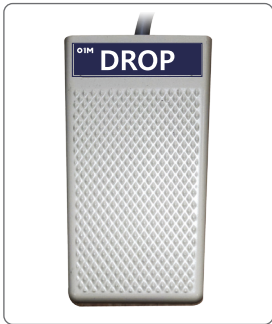
Components



Control Panel

USE: Adjust the drops

Specifications : L235×W90mm



Foot Pedal






Use : Cocking(semi-auto)

Specifications: L64×W110×H35mm

Weight : 300g

Quantity : 2 EA

Main Parts

Part	Cert.	Feature
Power cord		0.75 mm ² X 3C
Power plug		250V~,10A
Connector		250V~,10A
SMPS		24V 8.4A
Noise filter		250V~ 6A/40°C, 50/60Hz

Indication Label

Registration No. : 839#

Product Name(Model No.) : Orthopedic Adjustment Table(R404 P)

Permission No. : No. 21-4263

Intended Use: Adjust the human body to the correct position

S/N: Serial Number

Date of Manufacture: 0000year 00month 00date

Power : 110V ~ 240V, 50 / 60Hz, 250VA

Classification: Class I

Company Name : YOUNG IL M Co., Ltd.

Address : 7F Starwood plaza, 400 Dunchon-daero, Jungwon-gu,
Seongnam-si, Gyeonggi-do, Republic of Korea 13229

Telephone : 1544-8501

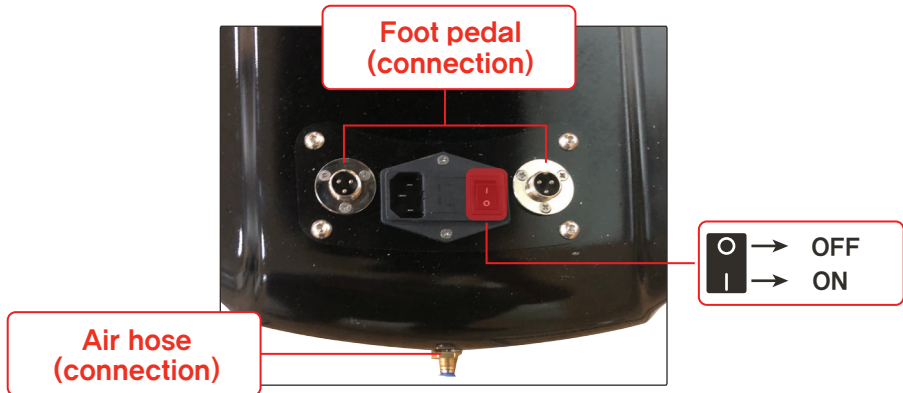
Website : <http://www.01m.co.kr>



■ This product is a "Medical Device"

1 Power Connection

1. Connect power cord with approved voltage.
2. Make sure the power, foot pedals and air hose connections are correct
3. Turn on the table.



2 Install Paper Roll

1. Pull the paper roll.
2. Insert the paper roll under the paper holder.
3. Cut the paper with the cutter and fix it.



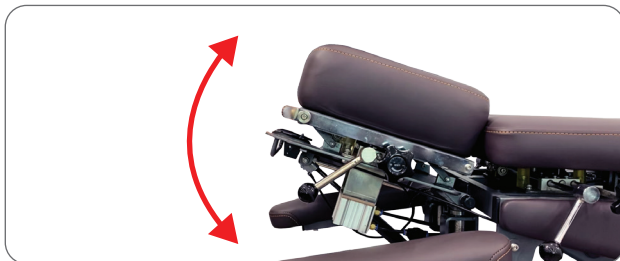
3 Elevation

Adjust the table height with the elevation bars.



4 Head Piece Tilt

Release the lever and adjust your desired angle. Then, lock the lever.



5 Ankle Support Length Adjustment

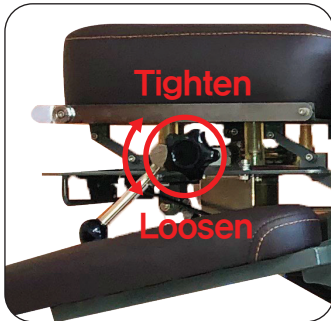
Adjust the length up to the patient height.



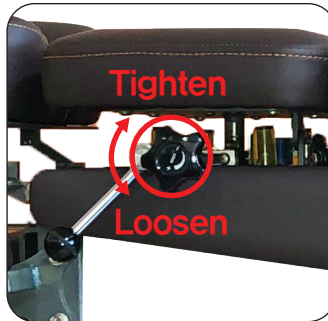
6 Drop Intensity Adjustment

Adjust the drop intensity with the tension knob.

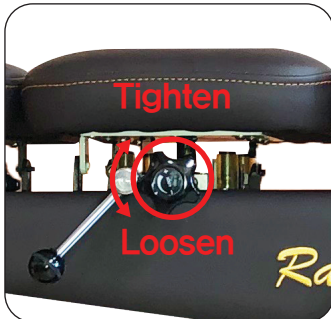
Cervical



Thoracic



Lumbar

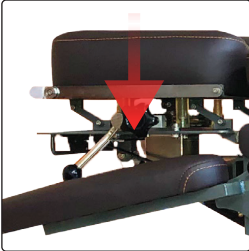

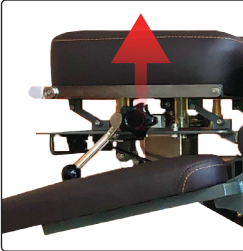
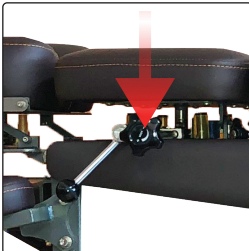
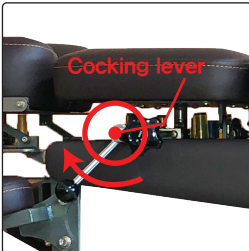
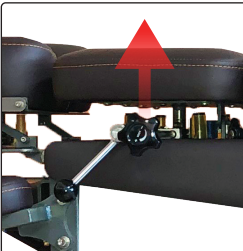

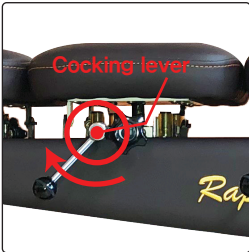






Pelvic



7 Manual Cocking


Cock the drop manually with the lever.

	Drop	Lever	Cocking
Cervical Drop			
Thoracic Drop			
Lumbar Drop			
Pelvic Drop			

8 Control Panel

Control the drop.



NO.	Button	Function	Feature
1		Auto / Semi-auto	Set the cocking type (The semi-auto drop requires foot pedal) Auto: Thoracic, Lumbar and Pelvic Drop Semi-auto: Cervical, Thoracic, Lumbar and Pelvic Drop
2		Cervical drop cocking	Activate the semi-auto cervical drop
3		Thoracic drop cocking	Activate the auto thoracic drop
4		Lumbar drop cocking	Activate the auto lumbar drop
5		Pelvic drop cocking	Activate the auto pelvic drop

10 Control Panel

Set the panel button( : On,  : Off)

Type	Drop	Button				
		1	2	3	4	5
Auto cocking	Thoracic	ON		ON	OFF	OFF
	Lumbar	ON		OFF	ON	OFF
	Pelvic	ON		OFF	OFF	ON
	Thoracic, Lumbar	ON		ON	ON	OFF
	Thoracic, Pelvic	ON		ON	OFF	ON
	Lumbar, Pelvic	ON		OFF	ON	ON
	Thoracic, Lumbar Pelvic	ON		ON	ON	ON
Semi- auto cocking	Cervical	OFF	ON	OFF	OFF	OFF
	Thoracic	OFF	OFF	OFF	OFF	OFF
	Lumbar	OFF	OFF	OFF	ON	OFF
	Pelvic	OFF	OFF	OFF	OFF	ON
	Cervical, Thoracic	OFF	ON	ON	OFF	OFF
	Cervical, Lumbar	OFF	ON	OFF	ON	OFF
	Cervical, Pelvic	OFF	OFF	ON	OFF	ON
	Thoracic, Lumbar	OFF	OFF	ON	ON	OFF
	Thoracic, Pelvic	OFF	OFF	ON	OFF	ON
	Lumbar, Pelvic	OFF	OFF	OFF	ON	ON
	Cervical, Thoracic Lumbar	OFF	ON	ON	ON	OFF
	Cervical, Thoracic Pelvic	OFF	ON	ON	OFF	ON
	Cervical, Lumbar Pelvic	OFF	ON	OFF	ON	ON
	Thoracic, Lumbar Pelvic	OFF	OFF	ON	ON	ON
	Cervical, Thoracic Lumbar, Pelvic	OFF	ON	ON	ON	ON

Maintenance and Cleaning

Maintenance

For safe use, inspect the table by the standards below.

Check List	Inspection	Period
Cable connection	Check the cable is connected normally	once/day
Emergency button	Check the emergency button is pressed (the table doesn't operate if the button is pressed)	once/day
part	Check the all parts are equipped correctly	once/week
Surface	Check the exterior surfaces	once/month
Control panel	Make sure the all buttons work well	once/month
	Make sure the table works well with the all buttons	once/month
tension adjustment	Check the tension knobs work correctly	once/month

※ If other issues occur, contact a local distributor or YOUNG IL M directly.

Repair and Replacement

- Allow only qualified, authorized personnel to repair the table.
- If the power cord is damaged, please replace the power cord with new one.
- YOUNG IL M is not responsible for any danger by the wrong power connection. Please only use approved power supplies.

Maintenance and Cleaning

Cleaning

- Before cleaning, be sure to unplug the power cord from the power outlet.
- Clean the cushion with mild soap, neutral detergent with water.
- For stubborn stains or oil links, please use methyl alcohol. Rinse the cleaned area with clean water and dry with air or lint-free cloth. Do not clean the power supply area with water.

Technical Support

- If you need technical information and support, contact a local distributor or YOUNG IL M directly.

Raphael 404

(Auto Cocking Drop Table)

Contact

Office Hours : 9:00 am ~ 6:00 pm UTC/GMT+9
(Monday through Friday)
YOUNG IL M Global Sales Team
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E-mail: 01md@01m.co.kr





Lift the table grabbing the four leveling feet area