

# 15

## (Automatic Heating Traction Table)

※ This is a medical device

# Table of Contents








■ Outline	3
■ Safety Information	4
• Definition of symbols	4
• Cautions and warning	4-5
• Essential Requirement	6
• Environment Condition	6
• Packing and Transportation	6
• Waste Disposal	6
■ Product Information	7
• Specifications	7
• Parts and Mechanism	8-9
• Label	10
■ Operating Instructions	11
• Power On	11
• Adjust and Control	11
① Hand controller	11-12
② Height adjustment	13
■ Maintenance and Cleaning	14-15

## Outline

<b>Product Name</b>	Automatic Heating Traction Table
<b>Model No.</b>	i5
<b>Intended Use</b>	<p>This product is a medical device that can be used for treatment of herniated disc, degenerative stenosis from human body by automatic traction. The heating system can relaxes muscle stiffness and pain from human body. This product combines the automatic traction and heating system.</p>
<b>Permission No.</b>	23-0000
<b>Feature</b>	<p>This table has 5 different cushions(cervical, thoracic, abdominal, leg and arm)for the patient to lie down and hand controller with actuator to operate the table. The pelvic ratchet harness and axillary posts secure the patient's body. The safe heating system warms up the patient's body for effective decompression treatment, which can be used easily by hand-held controller. It increases blood circulation, relaxes muscle stiffness and muscle pain. The hand-held controller also provides automatic decompression system without any difficulty. The advanced actuator scans level of the patient's symptom and sets an optimized treatment protocol for the patient. The ergonomic cervical pillow can be used for cervical decompression and stretch.</p>

# Safety Information

## Definition of symbols

Symbol	Definition
	Can be causes of light electric shock, damage or malfunction.
	Operating Instructions
	Carefully read these instructions prior to use(safety symbol)
	Type B Applied Part
	Don't push
	Don't sit
	Don't step

## Cautions and warning



### Caution

Carefully read these instructions prior to use.



### Caution

Before use, check the cushions and other parts. If some part is damaged, stop using and unplug the machine.



### Caution

Unplug the power cord by grabbing the front end of the cord. Do not pull the power cord or It may cause electric shock, short circuit and a fire.



### Caution

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



### Caution

Allow only qualified, trained personnel to operate this product.

# Safety Information



## Caution

Do not modify this equipment without authorization from the manufacturer.



## Caution

Be careful of next requirements after use.

- Unplug when you don't use the equipment for a long time.
- Make adequate check and ask repair technician (manufacturer) when malfunction occurs.



## Caution

Be careful next requirements when install the equipment.

- Install when you can remove cord easily.
- Install in the waterless area.
- Do not install in the high humidity, high temperature, direct sunlight or dusty area where bad influence doesn't happen.
- Be careful of safety requirements for slope, vibration, impact(incl. transportation).
- Do not install where chemicals storage place or where gas leak doesn't occur.
- Be careful of frequency and rated voltage.
- This equipment must only be connected to supply mains with protective earth.
- Install where interference by other medical devices or electronic waves, don't interfere with.



## Caution

Be careful next requirements before use the equipment.

- Check all code connection is correct and safe.
- Be sure the earth is correctly connected.
- Be fully careful of public use which may lead to overcurrent easily and cause danger.
- Be careful if the ground is flat and make the equipment level.

## Prohibition

Prohibit the equipment use for the following persons or patients with

- |                    |                    |                             |                          |
|--------------------|--------------------|-----------------------------|--------------------------|
| ① Malignant tumor  | ② Heavily pregnant | ③ Fracture, joint problem   | ④ blood pressure problem |
| ⑤ Cardiac disorder | ⑥ Injury           | ⑦ Problem when menstruation | ⑧ Polio                  |
| ⑨ Heart disease    | ⑩ Brain hemorrhage |                             |                          |

# Safety Information

## Essential Requirement

The device identifies the performance of individual standards and clinical functions, and the essential performance that was determined through risk assessment is the thermal function, and the accuracy of the control of the contact surface temperature is controlled within the measurement range.

## Environment Condition

Temperature range : 10 °C ~ 40 °C

Humidity range: 30 % ~ 75 %

Atmospheric pressure range: 800 hPa ~ 1060 hPa

## Transportation Condition

Temperature range: 0 °C ~ 40 °C

Humidity range: 25 % ~ 80 %

Atmospheric pressure range: 700 hPa ~ 1060 hPa

## Packing and Transportation

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

## Waste Disposal

Follow local region's disposal regulations.

# Product Information

## Specifications

Section	Description	
Model No.	i5	
Dimensions	Length 2,000mm~2,300mm × Width 620mm × Height 470mm~860mm	
Power	220V~, 60Hz, 350VA	
Weight	105kg	
Patient weight capacity	130kg	
Class	1	
Type	Type B applied part	
Operation type	Batch operation(actuator: 10%, Max.2min operate/min.18min stop)	
Software name and version	i5-V1.0	
Length	Traction	0mm ~ 150mm
Height	Elevation	470mm ~ 860mm
Temperature	Heating	30°C ~ 50°C
Traction time	Auto	20 minutes ± 2 minutes
	Manual	30 minutes ± 2 minutes
Packing unit	EA	

## Dimensions



# Product Information

## Parts and mechanism

i5



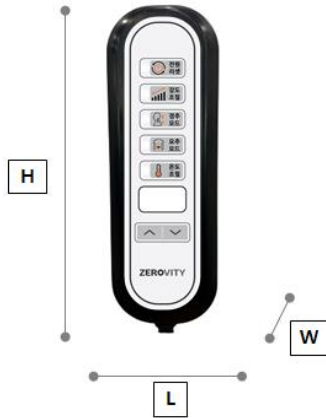
1	Axillary post	Secures the patient's upper body
2	Cervical cushion	Supports the patient's head
3	Armrest	Supports the patient's arms
4	Cervical handle	Patient or practitioner can grab on
5	Middle frame	Connects the upper and lower part and used for elevation.
6	Base case	Plastic case that protects inner parts
7	Leveling feet	Adjusts level of the table
8	Pelvic ratchet harness	Secures the patient's pelvic
9	Thoracic cushion	Supports the patient's thoracic
10	Pelvic cushion	Supports the patient's pelvic
11	Elevation motor	Adjusts height of the table
12	Hand-held controller	Controls the traction and heating
13	Traction motor	Adjusts traction between the upper part and the lower part

※ All cushions mounted on the table



# Product Information

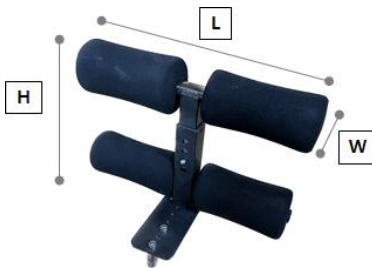
## Hand-held controller



Intended use: Controls the table

Dimensions : L160mm×H55mm×W90mm

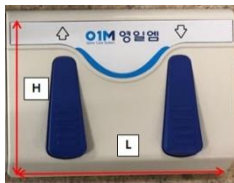
## Foot rest



Intended use : Supports the patient's feet

Dimensions : L300mm×WØ6.5×H190~240mm


## Foot pedal



Intended use: Adjusts height of the table

Dimensions: L180mm×W140mm×H50mm

## Main parts

Part name	Certification	Feature
Power cord		0.75 mm <sup>2</sup> X 3C
SMPS		20V, 3.5A

# Product Information

## Label

### < Product Label >

### 01M 영일엠

제조업허가번호 : 제839호  
품목명(모델명) : 전동식정형용견인장치, 의료용온열기 (I5)  
제조품목허가(인증)번호 : 제인 00-0000 호  
사용목적 : 추가관탈출증, 퇴행성 협착증 등의 치료를 목적으로 인체를 견인하는 전동식정형용견인장치와 인체에 일정한 열을 가하여 근육통 완화 등에 사용하는 의료용 온열기를 포함한 의료기이다.  
제조번호 : i5230601  
제조일자 : 2023년 6월 9일  
정격 : 220V~, 60Hz, 350VA  
기기분류 : 1급기기  
상호 : 영일엠(주)  
주소 : 경기도 성남시 중원구 둔촌대로 400, 7층 (상대원동, 스타우드아파트형공장)(제조소1)  
경기도 성남시 중원구 둔촌대로541번길 20 1층 일부 (상대원동)(제조소2)  
대표전화 : 1544-8501  
Website : www.01m.co.kr

■ 본 제품은 "의료 기기" 임 ■

(01) 0 8800160 60117 6  
(11) 230609  
(21) i5230601



### < Packing Label >

#### Transport and storage condition



**01M YOUNG ILM**  
Spine Care System

# Operating Instruction

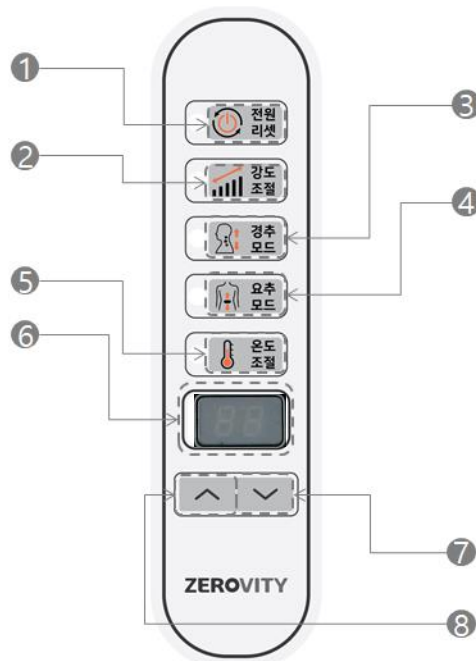
## Power on









Connect the power cord at approved voltage.

## Adjust and control

How-to use














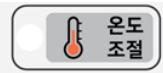
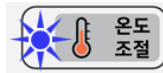



(1) hand-held controller



NO.	Button	Function	Feature
1	 전원 리셋	Power on	Turns on/off the table
2	 강도 조절	Force control	Sets traction force
3	 경추 모드	Cervical auto protocol	Starts the cervical auto protocol decompression
4	 요추 모드	Lumbar auto protocol	Starts the lumbar auto protocol decompression
5	 온도 조절	Heating	Turns on/off the heating
6		Temperature indicator	Displays the heating degrees
7		Down	Decreases the traction force or heating temperature
8		Up	Increases the traction force or heating temperature

# Operating Instruction

## How to use controller

No.	Function	Description
1	Power  전원 리셋	The LED lights up when the power button is pressed, then the table is turned on. If the power button is pressed again, the LED is off and the table is turned off returning to its original position.  전원 리셋  전원 리셋
	[power]	[Power Off]      [Power On]
2	Force control  강도 조절	Adjust the traction force pressing the button. LED ON: low force / LED OFF: high force  강도 조절  강도 조절
	[force control]	[high force]      [low force]
3	Cervical auto protocol  경추 모드	Press the button and the LED is on, then the cervical auto protocol is activated Press the button again and the LED is off, then the cervical auto protocol is deactivated.  경추 모드  경추 모드
	[cervical protocol]	[deactivated]      [activated]
4	Lumbar auto protocol  요추 모드	Press the button and the LED is on, then the lumbar auto protocol is activated Press the button again and the LED is off, then the lumbar auto protocol is deactivated.  요추 모드  요추 모드
	[lumbar protocol]	LED flickers once applied
5	Heating  온도 조절	Press the button and the LED is on, then the heating is activated. Press the button again and the LED is off, then the heating is deactivated.  온도 조절  온도 조절
	[heating]	[activated]      [deactivated]
6	Up Down 	Can adjust the traction manually.  
	[up/down]	traction/heating-down      traction/heating-up

# Operating Instruction

## Height adjustment



1

Up

2

Down

## Maintenance and Cleaning

### Cleaning

- Unplug the power cord before cleaning.
- Clean all exterior surfaces and cushions with dry cloth or towel.
- Do not use abrasive detergent, brush, gasoline, kerosene, polish or diluent.
- Be careful that fabric parts such as seat cushions and cervical cushions can not be washed separately.

### Storage

- Install when you can remove cord easily.
- Install in the waterless area.
- Do not install in the high humidity, high temperature, direct sunlight or dusty area where bad influence doesn't happen.
- Do not touch sharp edges or sharp objects to the fabric.
- Do not keep it near heat sources or firearms
- Do not keep it under direct sunlight for a long time.
- Unplug and keep the equipment with no humidity or dust when you don't use for a long time.
- Make adequate check periodically and request assistance from technician (manufacturer) when malfunction occurs.
- Do not modify this equipment without authorization from the manufacturer.

## Inspection

Check	Inspection	Period
Power button	Check if the button is pressed	Once a day
Dropped parts	Check dropped parts around the equipment	Once a week
Exterior surfaces	Check all exterior surfaces	Once a month
Hand-held controller	Check the mode buttons work	Once a month
	Check the equipment works with the controller	Once a month
Force control	Check the force adjustment with up/down button	Once a month

※ Contact your local partner or manufacturer if the equipment malfunctions.

## Repair and replacement






- Do not repair this equipment without authorization from the manufacturer. Only qualified personnel can repair this equipment.

## Technical assistance

- Contact your local partner or manufacturer if you need technical assistance.

## Error code

- Unplug the power cord and contact service center if the following error codes are shown up.

Display	Error	During error	Display	Error	During error
	Overheating	Over heating		Motor error	Motor doesn't work
	Heating error	Heating doesn't work		Motor error	Motor doesn't stop (can't scan the weight)
	Temperature sensor error	Heating doesn't work	<b>N/A</b>	No power	No power



# 15

## (Automatic Heating Traction Table)