
VETERINARY SURGICAL TABLE

MODEL: TR-VST01

INSTRUCTION MANUAL

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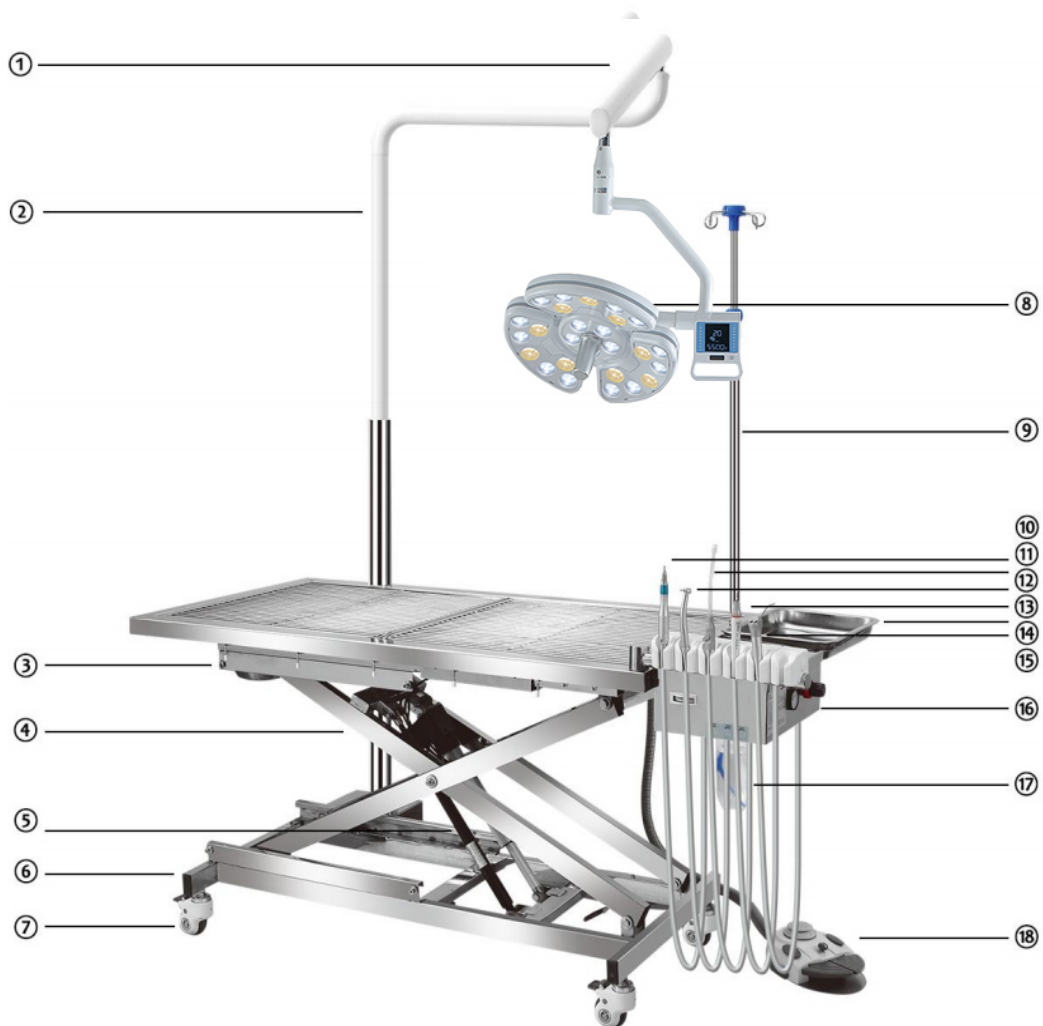
ATTENTION:

PLEASE KINDLY READ THIS MANUAL CAREFULLY BEFORE OPERATION.

● Product introduction

Thank you for purchasing our veterinary surgical table, model AWT-V1. It is a veterinary surgical equipment, which is used for veterinary clinic, veterinary hospital, zoo and university. It's not only the table for veterinary surgery, but also equipped with various of dental treatment equipment which will be very helpful in dental surgery.

● Overall structure



(Picture 1)

-
- ① Arm rest ;
 - ② Middle arm;
 - ③ Stainless bowl ;
 - ④ 24V engine ;
 - ⑤ Spring ;
 - ⑥ Stainless frame ;
 - ⑦ Caster with break ;
 - ⑧ Operating astral lamp ;
 - ⑨ Infusion stand ;
 - ⑩ Low speed handpiece ;
 - ⑪ High speed handpiece ;
 - ⑫ Suction ;
 - ⑬ Scaler ;
 - ⑭ Stainless tray ;
 - ⑮ 3-way syringe ;
 - ⑯ Instrument console ;
 - ⑰ Clean water reservoir ;
 - ⑱ Foot control ;

● Standard components

NO.	ITEM	QTY	UNIT	REMARKS
1	Removable surgical table	1	pc	
2	High speed handpiece	1	pc	Single water spray
3	Low speed handpiece	1	set	External
4	3-way syringe	1	pc	Water/spray/air
5	Operating astral lamp	1	pc	
6	Infusion stand	1	pc	
7	Stainless tray	1	pc	
8	Stainless bowl	1	pc	
9	Weak suction	1	pc	
10	Built in water reservoir	1	sets	600ml cleaning water bottle
11	Air compressor	1	pc	FOR OPTIONAL

● Technical data

1. Input Voltage: AC 220V ± 10%, 50Hz.
2. Power: 120VA.
3. Fuse: FR1-20, φ 5 × 20, 6.0A.
4. Air supply: 0.55Mpa.
5. Packing Information: L195*W83*H68cm, N.W. 88KG, G.W.: 143KG.

6. Load Capacity: 250lbs (113KG).

7. Scaler Data:

Power	38VA
Output power	3W-20W
Output primary tip vibration excursion	≤100μm
Output tip vibration frequency	28kHz±3kHz
Water pressure	0.01Mpa-0.5Mpa
Output half-excursion force	< 2N

8. Handpiece Data: (Inlet air pressure: 250KPA)

High speed handpiece		Low speed handpiece	
Working air Pressure	0.20Mpa-0.30Mpa	Working air Pressure	0.3Mpa-0.35Mpa
Rotation	350,000-400,000rpm	Rotation	20,000-30,000rpm / min
Bur applicable	φ 1.595-1.600mm	Bur applicable	φ 2.335-2.355mm
Noise	≤70dB	Noise	≤70dB

● Working environment

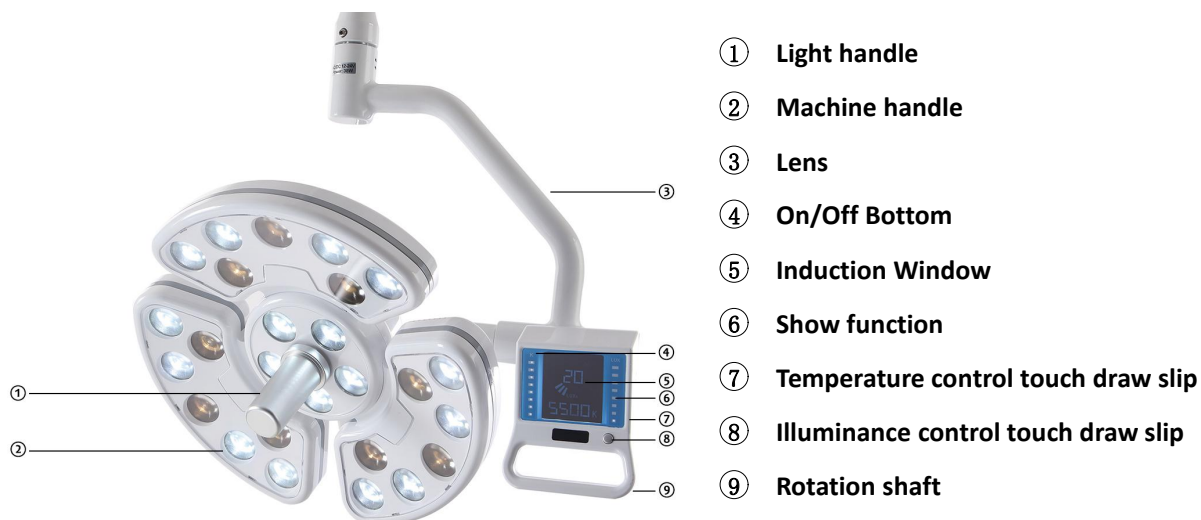
1. An ambient temperature range of -20 to +40°C.
2. A relative humidity range is not more than 60%.
3. An atmospheric pressure range of 700 hPa to 1060 hPa.
4. Non-corrosive gas and liquid inside.

● Transport and storage condition

1. An ambient temperature range of -20°C to +40°C.
2. A relative humidity is not more than 60%.
3. An atmospheric pressure range of 700 hPa to 1160 hPa.
4. Non-corrosive gas and liquid inside.

● Instruction of lamp

1. Products structure and components, as picture 2:



(Picture 2)

2. Specification of the lamp

Input Voltage	AC/DC 12-24V
Frequency	50/60Hz
Power	38W
Illumination	30000—900000 LUX can be adjusted
Color Temperature	4000 K-5500K can be adjusted
Spot Size	∅120mm (Distance for 900mm)
Control Method	Induction Switch, 8 grade Illumination of touch draw slip can be adjusted; 8 grade temperature of touch draw slip can be adjusted.

3. Operational Approach

The angle of handle on the led dental lamp can be adjusted according to the user`s require.

As showed bellowed, picture 3:

4. Control Method

A. To open or close by induction:

To control the ON/OFF of the white light by crossing the sensor from 10-30mm, the buzzer will “range”once when close, and will “range” twice when open.



B. To open or close by button:

To control the ON/OFF of the white light by touching button,the buzzer will “range”once when close, and will “range” twice when open.



C. Temperature control: as showed as picture 4:

Put your hand in the place of touch draw slip in picture 4, adjusting the temperature by up or down,8 grade temperature 4000K-5500K can be adjusted.

D. Illuminance control: as showed as picture 5:

Put your hand in the place of touch draw slip in picture 3, adjusting the illuminance by up or down, 8 grade illuminance 30000-90000 LUX can be adjusted.



5. Washing and Sterilization

The transparent lens of the LED dental lamp can be scrubbed and cleaned by the lens paper.

The shell and handle can be washed by neutral cleaning fluid, alcohol and disinfectant.

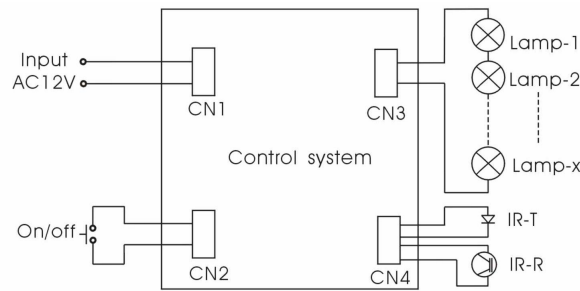
6. Installing Instruction and Specifications:

A. Installing Instruction

To connect the plug of the led dental lamp and arm, tightening the led dental lamp and arm by M5 screw, then connect the arm to the AC12-24V power of the veterinary surgical

table.

B. Schematic Circuit Diagram



(Picture 6)

● Installation procedures of the surgical table

1. Unpacked check

Unpack the packing carton and check if the equipment is sound without any damage. Check if the accessories and spare parts are complete and sound according to the packing list. For any question, please do not hesitate to contact the manufacturer.

2. Installation of the table

The veterinary table should be installed on even and solid ground and keep the ambient clean, dry, ventilated and cool. Keep away the sunshine.

3. Connection of air compressor

Connect the transparent tube in front of the machine with the air compressor.

Before the connection of pipes, discharge the water and air inside the equipment first, then remove dirt and impurity inside the pipes to prolong the service life of this equipment.

Remove dirt and impurity inside the pipes and prolong the service life of this equipment first, then remove dirt and impurity inside the pipes to prolong the service life of this equipment.

4. Installation of lamp

- A. Connect the lamp base wire inserter through the decorative cover to the lamp arm wire inserter, insert the lamp base handle into the lamp arm hole, and fasten it with screws and then cover the screw, and seam with the decorative cover.
- B. Put the black wire through the straight arm.
- C. Connect the 2 wires as picture 7.



(Picture 7)

● Commissioning and operation

1. Power Supply Connection

The machine is equipped with the single-phase three-pinned socket in advance. Without the connector, the user cannot switch it on until the electrical outlet is connected to the ground wire.

2. Clean water storage bottle

Water for handpiece is directly from the water bottle, therefore the bottle shall be supplied with medical distilled water on time, with water filling described as below: turn off the air switch beside the water bottle firstly. After all the compressed air in the bottle discharged, hold the water bottle securely and turn clockwise to take it off. Then fill water in it, turn it on counter-clockwise, until it fixed on the bottle cup tightly (Air tightness must be regarded). Finally turn on the air switch.

3. Air suction and saliva ejector

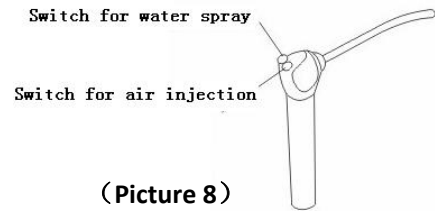
Saliva aspirator is provided with this equipment. Take the saliva ejector from the holder to start operation immediately. Water connection is required for low aspiration to guarantee

minimum operating pressure required.

4. 3-way syringe

The left button is for water and the right one is for gas.

See picture 8.



(Picture 8)

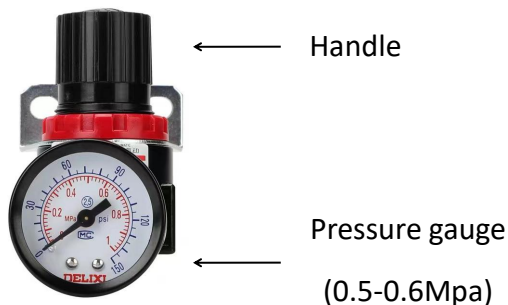
5. High / Low speed handpiece

Connect water, air and power supply. Open the general air switch, and check the pressure gauge. The value should be 0.5~0.6 MPa (factory setting). Adjust the filter relief valve if it is required to maintain the said value. Pull the handle on the top of the filter relief valve up for about 10mm, turn the handle clockwise to increase the pressure and anticlockwise to decrease the pressure. (see picture 9 and 10)

Pull to lift, and switch to adjust the pressure (if needed)

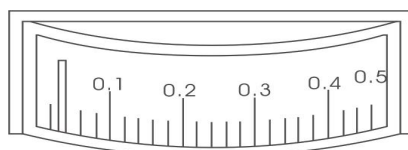


(Picture 9)



(Picture 10)

Take the handpiece from the holder, step the pedal switch for operation. Be noted that the pressure indicated on the square pressure gauge of the instrument disc is the operating pressure of the handpiece, which should be no more than the rated maximum pressure of the handpiece to protect the handpiece against damage (**High speed: 0.2-0.3Mpa, Low speed: 0.3-0.35Mpa**), see picture 11.

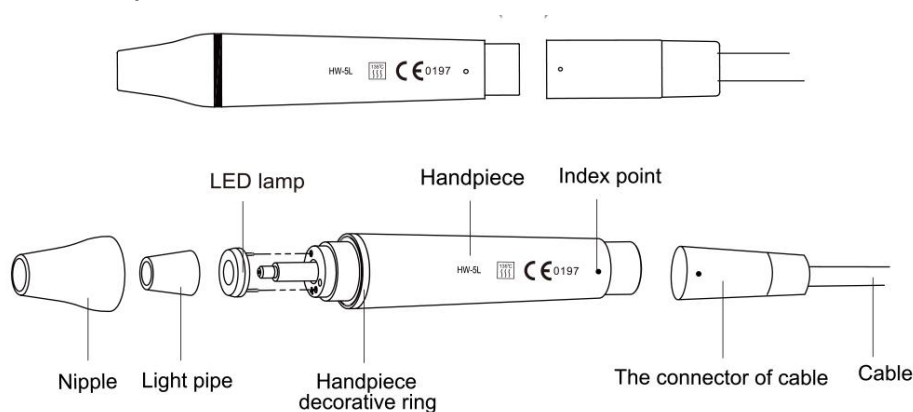


(Picture 11)

Adjust the operating pressure of handpiece if it is required by regulating the main control valve under the instrument disc. Turn the handle clockwise to increase the pressure and anticlockwise to decrease the pressure. Adjust carefully and slowly.

6. Scaler


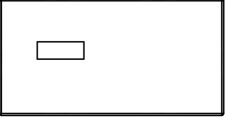
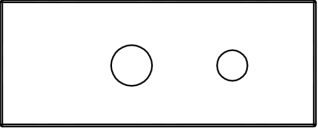
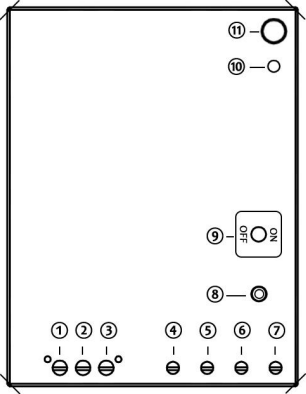
The rotation adjustor button is under the instrument console, turn on the water switch of scaler, adjust the rotation to use. **(For more information please check the instruction manual of the scaler)**



(Picture 12)

- A. Nipple: The nipple can be removed You can screw out the nipple and clean the pole with alcohol termly.
- B. Decorative ring: Can be disassembled and cleaned with alcohol regularly can be autoclaved under the high temperature and pressure.
- C. Handpiece: The main part of the whole handpiececan be autoclaved under the high temperature and pressure.
- D. Symbol: Autoclaved(134° C.0.22MPa)
- E. The connector of the cable: Connect the handpiece with the water source and power supply of the main unit.
- F. LED lamp Light pipe: Clean them with purified water and sterilize them under the high temperature of 134° C and high pressure of 0.22Mpa.

7. Instrument console

	<p>Overview</p>	
	<p>Square pressure gauge, to show the working pressure of the handpiece.</p>	
	<p>Left</p>	<p>Round pressure gauge, to show the air pressure of the machine.</p>
	<p>Right</p>	<p>Handle of the filter relief, lift and then switch it to adjust the air pressure of the machine if necessary (working pressure 0.5-0.6Mpa)</p>
	<ul style="list-style-type: none"> ① Air pressure adjustor of handpiece ② Air pressure adjustor of handpiece ③ Backup adjustor ④ Adjustor of suction ⑤ Spray adjustor of handpiece ⑥ Water adjustor of handpiece ⑦ Water adjustor of scaler ⑧ Rotation speed adjustor of scaler ⑨ Air switch of the clean water bottle ⑩ Air tube ϕ 5*8mm ⑪ Waste water tube ϕ 32*40mm 	

● Maintenance

1. After adjust the veterinary surgical table, ensure it is locked before it is used.
2. Regularly cleanse the water filter.
3. Use the equipment according to the correct supply voltage.

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4. Cut the power supply before repair the wearable component and cleanse, maintain the treatment machine.
 5. Should close the lamp, when it is not used.
 6. Do not wipe the surface with corrosive liquids.
 7. Keeping dry and maintaining surfaces with stainless steel cleaning solutions.
 8. The maintenance of the equipment must be performed by professional technicians designated by our company. If the user disassembles and repairs the device by himself, the device may be damaged, and if this happens, our maintenance service will no longer be available.

● Note

1. The power cord should be configured as standard and the ground wire should be firmly connected.
2. When replacing electronic components, clean the machine and other maintenance, the power must be turned off.
3. Load capacity is 250 pounds, do not overload.