

# DENTAL UNIT

TR-D520/TR-D540

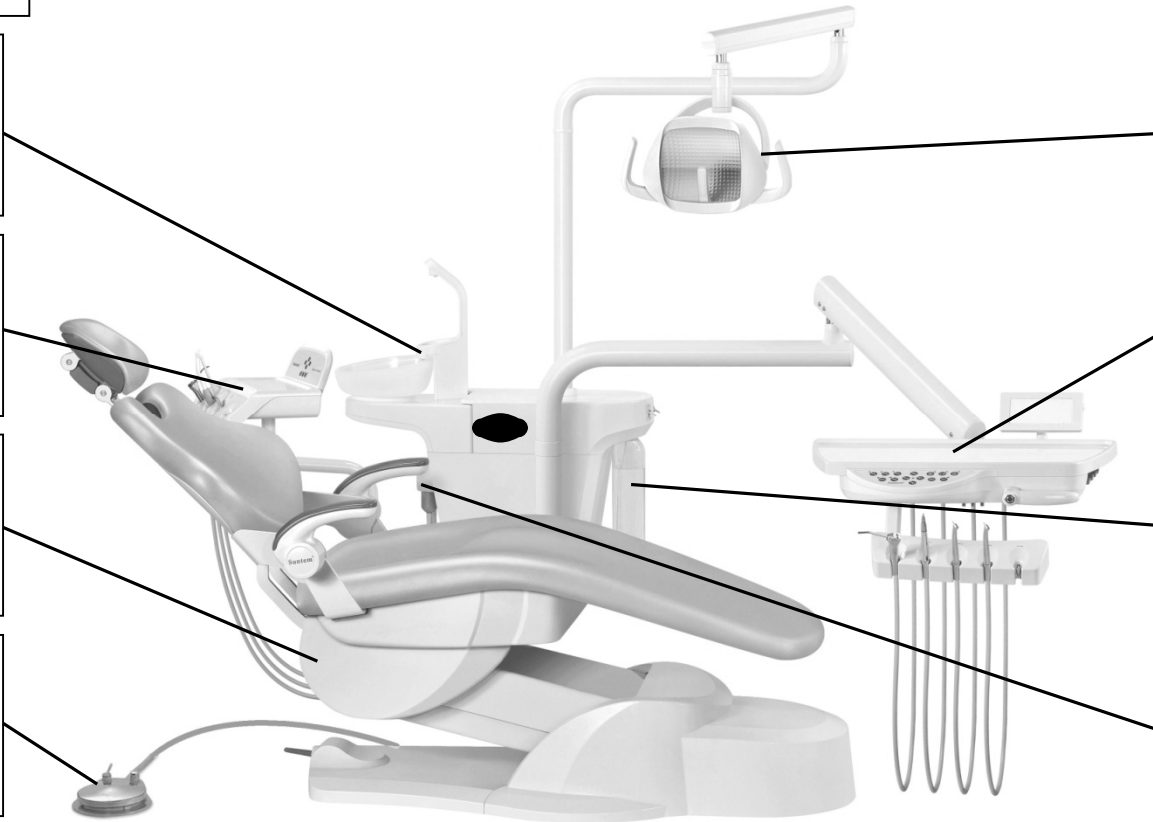
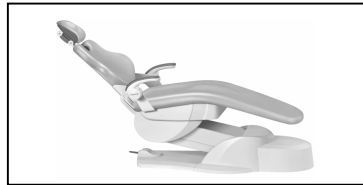
## INSTRUCTIONS FOR USE



## CONTENT MAP

# CONTENT MAP

### CONTENT MAP
























### QUICK START



## SYMBOLS

# SYMBOLS

NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL
WARNING		IMPORTANT INFORMATION		RADIO WAVE EMISSION	
CAUTION		REUSE PROHIBIT		CHAIR UPWARD	
NOTE		SETTING		CHAIR DOWNWARD	
DANGER		RESET		BACKREST FORWARD	
BOWL RINSING		RINSING POSITION		BACKREST BACKWARD	
OPERATING LIGHT		CUP FILLER		PRESET POSITION GROUP	
FILM VIEWER		WATER HEATER		PRESET POSITION	

## QUICK START

# QUICK START

Move the main control lever to “on” to turn on the water, gas and electric of dental unit.



Check the water bottle and fill it when the water is about to run out.



(For more instructions on the pure water system, go to P.14.)

Turn on the light power through the light button on the control panel.

\*

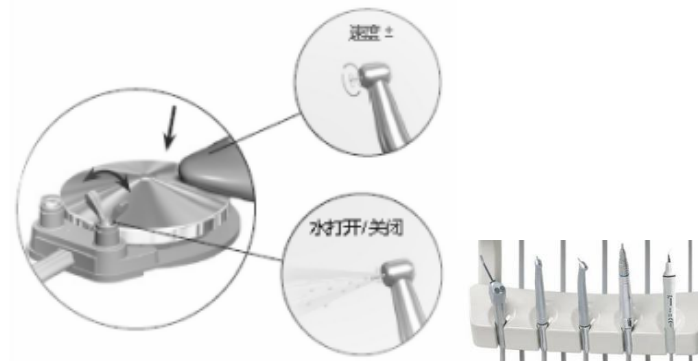


Press and keep the on/off switch to disengage the balance arm brake and adjust the height of the instrument tray. Disengage the switch to lock the position.

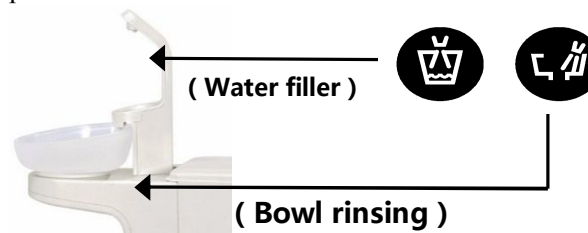


Air break switch

Pick up the handpiece and step on the foot controller to operate.

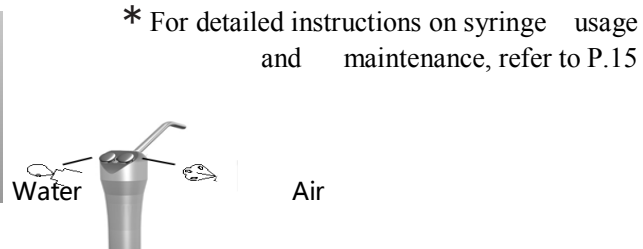
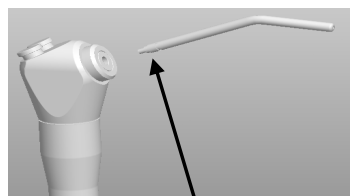


Start/stop the water filler or bowl rinsing function through the button on the control panel.



## QUICK START

To install the syringe tip, push in the tip until you feel two clicks. Press both buttons simultaneously for the air/water spray.\*

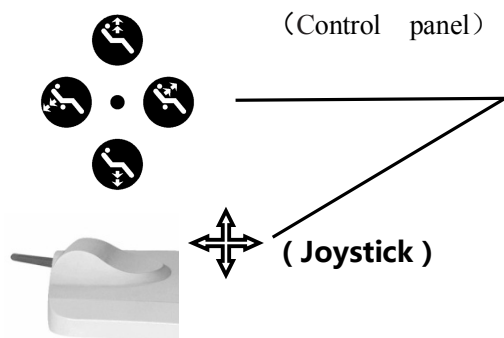


\* For detailed instructions on syringe usage and maintenance, refer to P.15

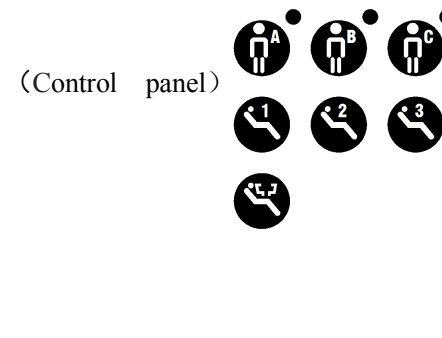
1. Press and hold the pressure ring.
2. Push in the tip and release the pressure ring

**Use the manual or programmable buttons to position the chair. For complete programming instructions, see P7.**

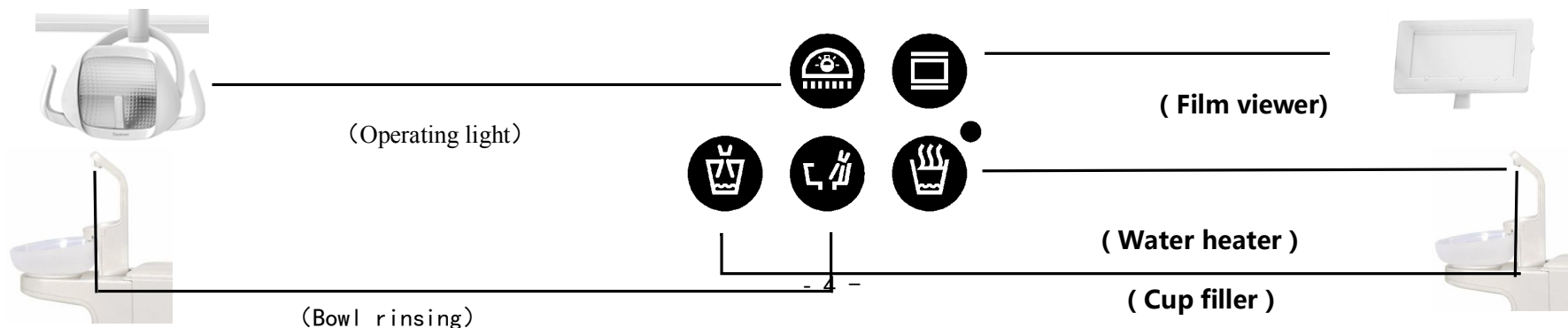
Manual buttons



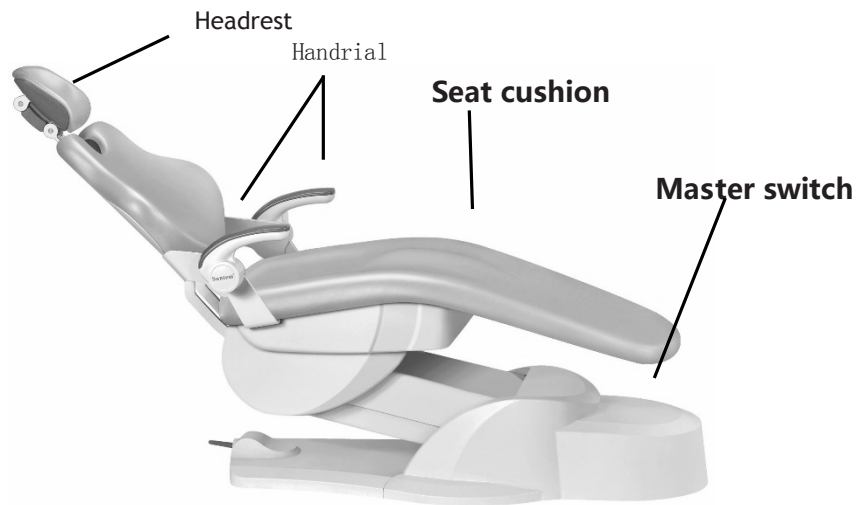
Programmable buttons



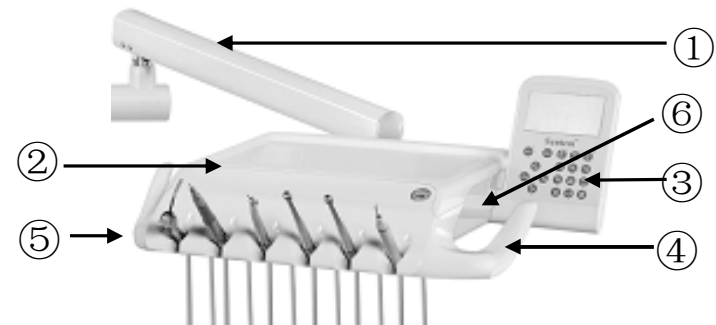
**Use the control panel to activate associative function. For complete programming instructions, see P17**



# DENTAL PATIENT CHAIR AND DELIVERY SYSTEM



**PATIENT CHAIR**



**TR-D540**

- ① Balance arm ② Instrument tray ③ Control panel ④ Handle ⑤ Instrument holders ⑥ Air break switch

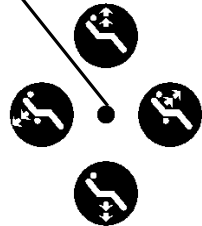
## DENTAL PATIENT CHAIR AND DELIVERY SYSTEM

### POWER AND SYSTEM STATUS

Master switch



Power indicator



The chair and system power is controlled by the Master toggle on the delivery system.

To save energy, turn the power off at the end of the work day and during longer periods of non-use. The power should always be turned off before service.

When the power light on the control panel of dental unit illuminates, the system is on and ready for use. If the power light blinks, the safety function has been activated. See safety function below for more information.

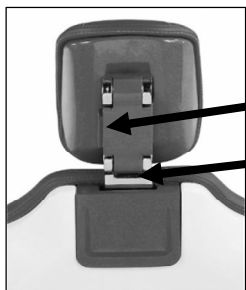
### SAFETY FUNCTION



#### Chair-instrument interlock system

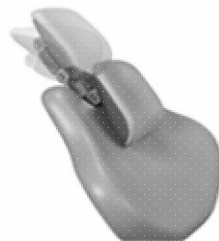
The patient chair movement will be locked during operation of instruments. Release foot pedal, chair movement unlock.

### DOUBLE-ARTICULATING HEADREST



Locking knob

Sliding guide



The locking knob allows you to secure the headrest in a full range of positions.

Release the headrest by keeping pressing the locking knob. Then adjust the headrest for a proper fit. Lock the headrest in the desired position by releasing the knob.

For height adjustment, slide the headrest and sliding guide up or down.

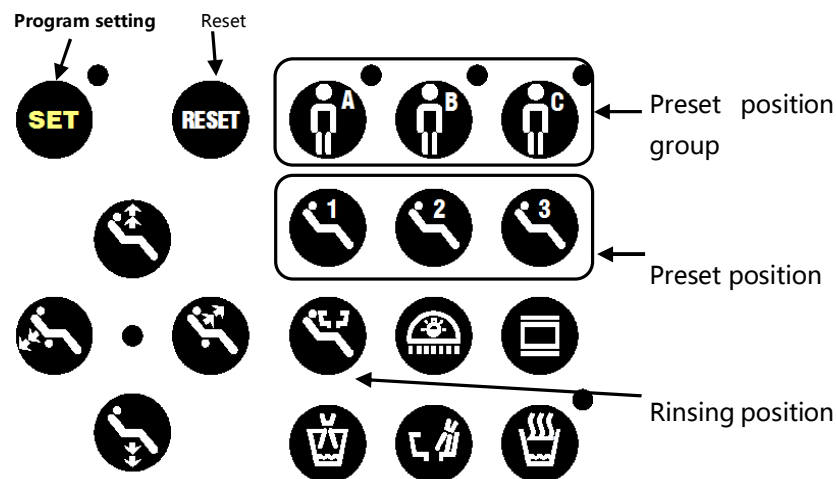


**WARNING:** When the sliding guide has reached its maximum recommended working height, limit screw of sliding guide will limit the sliding guide outward. Do not use the headrest in a position where is found limit.

## DENTAL PATIENT CHAIR AND DELIVERY SYSTEM

### PROGRAMMABLE CHAIR POSITIONS

#### Control panel



You can operate the chair manually or by using programmed presets from the foot switch or control panel. See P.4 for manual controls. The programmable buttons vary depending on which device you use to control the chair: :

#### Programmable buttons

Control panel	Description and Action
	<b>Preset position of group:</b> Each preset position group can be specified and save 3 preset positions
	<b>Preset position:</b> Adjust the base and back position of patient chair for patient entry/exit.
	<b>Rinsing position:</b> Moves the chair to rinse position. Press again to return to the previous position
	<b>Reset:</b> base cushion to minimize and chair to the front at the same time.

Use the program setting , to assign and save chair preset positions.

To program the chair preset positions:

- 1、 Use the manual controls to adjust the chair position as desired.
- 2、 Press , the setting light switch on and one beep indicates the programming mode is on
- 3、 Choose the preset position group and preset position button to save the chair position, for example press and then press .
- 4、 Press again; one beep indicates the new setting is programmed into memory. And then setting light switch off.

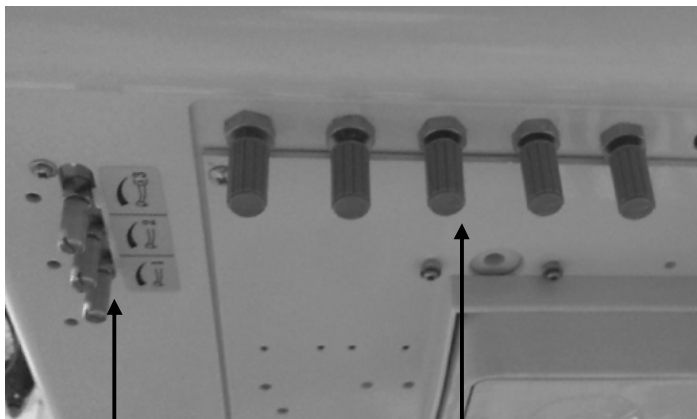


**NOTE:** Please follow standard patient care precautions when using the chair preset position functions. To stop the chair at any point, push any chair positioning button on the foot switch or control panel.



## DENTAL PATIENT CHAIR AND DELIVERY SYSTEM

### **WATER/AIR ADJUSTMENT**



Air coolant adjustment knob

Water coolant adjustment knob

Use adjustment knobs to adjust water and air flow to your dental handpieces. The plastic knob adjusts water flow to all dental handpieces. The metallic knob adjusts air flow to all dental handpieces.

1. Lift the dental handpiece from the holder.
  2. Press the left/right foot control disk to activate the dental handpiece.
  3. Adjust the water coolant flow and driving airflow by turning the adjustment knobs.  
Clockwise to decrease flow and counterclockwise to increase flow.
- 



**NOTE:** Water and air coolant adjustment knobs are intended to completely shut off flow.

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### **OIL COLLECTOR**



Oil Collector

Service the oil collector on the delivery system once a week for normal use and more often for heavier use.

#### **To service:**

1. Rotate off the oil collector cup which below the instrument tray and discard the old gauze.
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**CAUTION:** Do not remove the filter foam located inside the oil collector cup. Filter foam can be taken out and cleaned with water and then put it back.

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2. Fold a new gauze pad (51 mm x 51 mm) into quarters and place inside the cover.
3. Reverse screw the oil collector cover closed.