






## 〈Operation Panel〉


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**① LIGHT key**  
To select the Handpiece illumination intensity:  
OFF / LOW / HIGH (Default setting : HIGH)
- 


**② COOLANT key**  
To select the Coolant Flow from 5 levels.
- 


**③ MODE P key**  
To set the PERIO Mode (the mode suitable for maintenance, etc.).
- 


**④ MODE E key**  
To set the ENDO Mode (the mode suitable for the root canal treatment).
- 


**⑤ MODE S key**  
To set the SURG Mode (the mode suitable for cutting bones).
- 

**⑥ BURST key**  
To set the Burst Output Level (only for the SURG Mode)  
Each time the key is pressed, the setting changes as follows:  
OFF→B1→B2→B3→OFF.  
※Burst function: Increases and decreases vibration at regular intervals.  
Select an appropriate setting according to the hardness of the patients' bones (bone density).  
※Frequencies for Burst are B1:10Hz, B2:30Hz and B3:60Hz.
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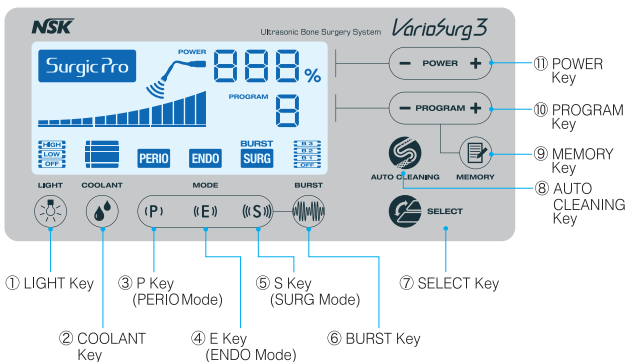
**⑦ SELECT key**  
This key is used when two systems (NSK VarioSurg 3 and NSK Surgic Pro) are operated by a single Foot Control.  
※Surgic Pro (sold separately) and the Link Set (sold separately) are required in order to use this key.
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**⑧ AUTO CLEANING key**  
For cleaning the irrigation circuit in the Handpiece and tube.
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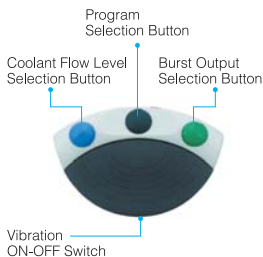
**⑨ MEMORY key**  
To set the program memory for the values which are displayed in the Panel
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**⑩ PROGRAM key (+)**  
For calling up the set values memorized in the program.
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**⑪ POWER key (-)**  
For setting the Power Level.  
By pressing (+) and (-) keys, the set value increases and decreases respectively.  
※When the key is held down, the value increases or decreases continuously. However, when (+) key is held down, the value stops at 100% for the sake of safety. If you want to further increase the value, press the key again.



## 〈Foot Control〉



## 〈Power outputs at various Modes are compared〉

	5%	10%	100%	150%
SURG				
ENDO				
PERIO				

**OUTPUT**

## Installation / Connection of the Irrigation Tube

**1**

Turn the Pump Cover lever for the Irrigation Pump, located at the side of the Control Unit, clockwise by 180 degrees to open the Pump Cover. (Fig.1)

【When the pump cover is open】

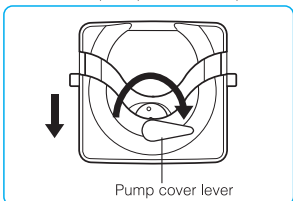


Fig.1

**2**

•After checking the irrigation direction, insert the tube into the Irrigation Pump.  
•Align the Tube Clamps of the Irrigation Tube with the tube guides and set the Tube. (Fig.2)

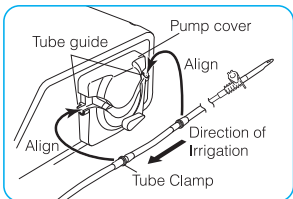


Fig.2

**3**

Turn the Pump Cover Lever anticlockwise by 180 degrees to close the Pump Cover. (Fig.3)

【When the pump cover is closed】

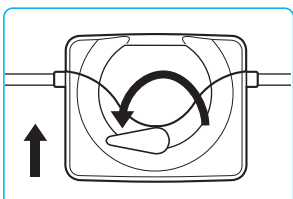


Fig.3

**4**

Insert the other Irrigation Tube tip into the handpiece Irrigation Nozzle. (Fig.4)

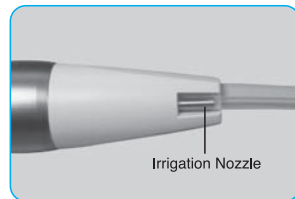


Fig.4

**5**

Push the Tube Holder on to the Handpiece Cord, then push the Irrigation Tube into the Tube Holder at a total of 7 locations. (Fig.5)

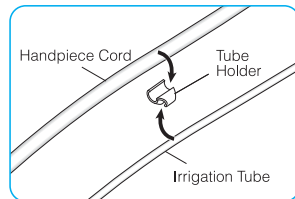


Fig.5

### CAUTION

- Always use a Pack with a sufficient quantity of saline.
- Before opening the Tube Clamp, always close the Pump Cover.  
If the Tube Clamp is opened while the Pump Cover is open, saline will flow out of the Irrigation Tube Tip.
- When the coolant solution runs short, stop using the system and replace the Coolant Solution Pack. Be sure to check that the coolant solution is flowing properly before using the system again.

Tip name	Mode	Recommended power range
H-SG1	S	10~150%
H-SG8	S	10~150%
SG58	S	10~80%
SG1	S	10~80%
SG1A	S	10~80%
SG2R	S	10~80%
SG2L	S	10~80%
SG3	S	10~80%
SG4	S	10~80%
SG5	S	10~80%
SG6D	S	10~80%
SG7D	S	10~50%
SG8	S	10~80%
SG8A	S	10~80%
SG9	S	10~50%
SG10	S	10~50%
SG11	S	10~50%
SG14R	S	10~80%
SG14L	S	10~80%
SG17	S	10~80%
SG18R	S	10~50%
SG18L	S	10~50%
SG19	S	10~80%
SG30	S	10~50%

Tip name	Mode	Recommended power range
SG15A	S	10~50%
SG15B	S	10~50%
SG15C	S	10~50%
SG15D	S	10~50%
SG16A	S	10~50%
SG16B	S	10~50%
SCL1	S	10~50%
SCL1D	S	10~80%
SCL2D	S	10~80%
SCL3	S	10~50%
SCL3D	S	10~80%
SCL4D	S	10~80%
SCL5	S	10~50%
SCL5D	S	10~80%
E30RD-S	E	5~50%
E30LD-S	E	5~50%
E31D-S	E	5~50%
E32D-S	E	5~50%
G1-S	S	10~50%
P20-S	P	5~100%
P25R-S	P	5~100%
P25L-S	P	5~100%
V10-S	P	5~100%