



Dental Sandblaster

YKS-CB-D

Manual



【Model】 YKS-CB-D

【Brand】 Xpedent

【Product description】

Sandblast cleaning is to use high-pressure air flow to spray the special sodium bicarbonate dental cleaning powder onto the tooth surface to remove the attachments on the tooth surface that are not easy to scrape off, and these particles will be dissolved by water in the mouth. Sand blasting can instantly and gently clean the tea dirt, smoke dirt and food soft dirt attached to the teeth, and can clean the tooth surface pits and crevices that cannot be reached by ultrasonic tooth cleaning machine. The sandblasted teeth are very smooth and clean, and it is not easy to deposit calculus again.

【Expected use】

It is used to remove the tooth stain, stain or polish the tooth surface.

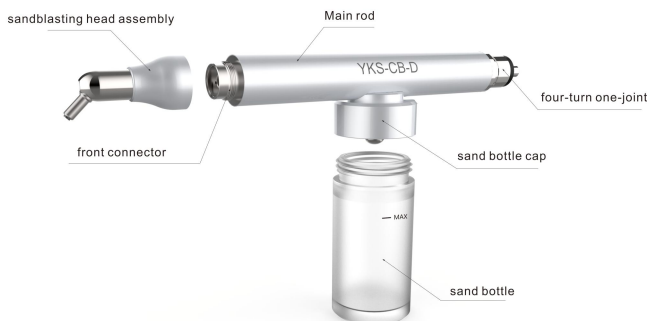
【Contraindications/suggestions】

The following patients should be treated with sandblasting with caution

1. Asthma/bronchopneumonia/chronic obstructive disease
2. Patients with low-salt diet due to heart and kidney diseases do not use sodium bicarbonate dental powder when sandblasting
3. Patients with infectious diseases
4. During sandblasting treatment, the sandblaster should move in a roundabout way, and it is recommended that one part stay for no more than 5 seconds.

【Product composition】

This product is composed of main rod, sandblasting head assembly, front connector, sand bottle cap, sand bottle, and four-turn one-joint.



【Requirements for sand powder】


The dental dentifrice powder is sodium bicarbonate. The dental dentifrice powder should be dry, loose and uniform, and should not agglomerate. In addition, other foreign matters should not be mixed in the dental cleaning powder, otherwise the sandblasting machine may be blocked.

Note: This product is not supplied with dental powder when leaving the factory. Please purchase and use it from the regular channels on the market. The particle size of dental powder is about 50 microns.

【Technical data】

Input air pressure	0. 4Mpa
Input water pressure	0. 2Mpa
Nozzle diameter	(0. 60±0. 05) mm
Sand blasting quantity	≤9g/min
Water spray volume	≥50ml/min

【Environmental conditions for transportation and storage】

Ambient temperature	
Relative humidity	<80%
Atmospheric pressure	70kPa~106kPa

【Usage method】

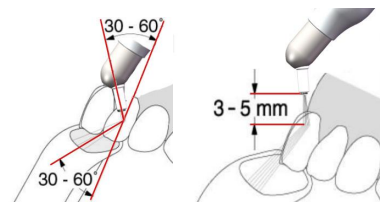
1. The sandblaster is reliably connected with the air supply system: as shown in the following figure, connect the tail line of the 4-hole high-speed dental handpiece on the dental chair with the four-turn one connector at the rear of the sandblaster (the breather pipe of the tail line of the dental handpiece corresponds to the four-turn one connector breather), and then tighten it clockwise to ensure that there is no air leakage;



2. The dental dentifrice powder in the sand bottle shall not exceed the MAX scale line of the sand bottle;



Recommended sandblasting angle/distance, please use strong suction to remove dental powder and weak suction to suck saliva during treatment;



3. Adjust the air pressure and water pressure to the required range, step down the foot switch and press the key switch to conduct sandblasting treatment; In the actual treatment, properly adjust the appropriate air pressure or water pressure;
4. During sandblasting treatment, saliva aspirator must be used together. During sandblasting treatment, dissolved dental powder and water must be discharged at the same time;
5. When the key switch and foot switch of the sandblasting machine are released, sandblasting stops;
6. After sandblasting treatment, the water source must be closed.

【Blockage treatment】

Problem	Resolvent
The sandblasting mouth is blocked, and there is no air or powder coming out of the sandblasting mouth	Unscrew the nozzle, put it into an ultrasonic cleaner with hot water for cleaning for a few minutes, wash the nozzle with water, dry it and then reconnect it for use
The sanding hole of the main rod is blocked, and there is no air or powder coming out of the sandblasting mouth	First unscrew the nozzle, poke the plug hole of the main rod with the working tip, and then press the pedal and press the key switch to discharge the plug
Air or water leakage	Unscrew the sandblasting head to check the sealing condition of the connection. If the O-ring is damaged, replace it in time

If the problem still cannot be solved through the above troubleshooting guide, please contact our company for further after-sales technical service support.

【Maintenance】

1. When the air source is connected, first unscrew the sand bottle from the sandblaster to empty the dental dentifrice powder in the sand bottle, then twist the empty sand bottle, and then run the sandblaster several times to remove the residual dental dentifrice powder from the internal pipeline of the sandblaster, so as to prevent the pipe from being blocked by the dental dentifrice powder after it gets damp;
2. Unscrew the tail wire of the four-hole dental handpiece of the dental chair from the four-turn one joint of the sandblaster, and use a three-use gun to aim at the thinnest steel pipe at the tail of the four-turn one joint to blow air to discharge the residual water in the waterway;

3. Store the sandblaster and dental powder in a dry place;
4. The sandblasting nozzle is a consumable material. The longer the sandblaster is used, the larger the hole diameter of the sandblasting nozzle will be, and the sandblasting force will be reduced accordingly. When the sandblasting force cannot meet the clinical needs, it is recommended to replace the nozzle.

【Cleaning and disinfection】









Before cleaning, drain the main engine according to maintenance, and then clean and disinfect it according to the following steps:

1. Wipe the surface of the host with a damp cloth;
2. Unscrew the sandblasting head assembly anticlockwise and clean it with water, and blow with a three-way gun to clean the residual dental dentifrice powder in the inner hole, and then blow the assembly dry;
3. Unscrew the sand bottle anticlockwise, and blow with a three-use gun to clean the residual dental powder at the bottle cap;
4. Clean up the residual dental powder on the front connector by blowing with a three-way gun;
5. After cleaning, the sandblaster can be sterilized by high-pressure sterilization method. The method is as follows: first twist down the sand bottle (the sand bottle cannot be sterilized at high temperature), and then put the sandblasting machine in the autoclave as a whole. High-pressure sterilization parameters: time 7-10 minutes, temperature 134 °C and pressure 0.2-0.24MPa.
6. After autoclaving, confirm that the sandblaster is completely dry before use.


【Spare parts list】

Order number	Name	Quantity	remarks
1	main engine	1	
2	Acrylic sand bottle	1	With sand bottle cap
3	O-ring	1	9*0.5
4	O-ring	1	9*1
5	O-ring	4	4*1
6	instruction manual	1	
7	warranty card	1	
8	certificate	1	

【Symbol description】

	Use according to the instructions		The product complies with WEEE directive
	134 °C high temperature disinfection		product ID
	Storage ambient temperature -10 °C to+50 °C		Product registered trademark
	date of manufacture		manufacturer


Warranty Card

Name of Customer		 (I) For Distributor
Address Details		
Postal Code		
Tel		
Model		
Machine ID		
Purchase Date		
Contact Person		
Date	Maintenance Record	Repairer


Guilin Yikeshi Medical Instrument Co., Ltd.
 D-8, Guilin National High-tech Zone Information
 Industrial Park, Chaoyang Road, Qixing
 District, Guilin, Guangxi, 541004, P.R. China
 Postal Code: 541004
 Tel: 0086 0773 5805522
 Fax: 0086 0773 5805522
 Email: sales@xpediency.cn
 Website: www.xpedent-intl.com

Distributor:	Seal
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Warranty Card

Name of Customer		 (II) Return to Manufacturer
Address Details		
Postal Code		
Tel		
Model		
Machine ID		
Purchase Date		
Contact Person		
Date	Maintenance Record	Repairer


Guilin Yikeshi Medical Instrument Co., Ltd.
 D-8, Guilin National High-tech Zone Information
 Industrial Park, Chaoyang Road, Qixing
 District, Guilin, Guangxi, 541004, P.R. China
 Postal Code: 541004
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 Fax: 0086 0773 5805522
 Email: sales@xpediency.cn
 Website: www.xpedent-intl.com

Distributor:	Seal
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Warranty Instruction

I Period validity

Terms of service: We offer 12 months warranty repair to the equipment based on the date of sale on the warranty card, and charged maintenance for the life of the product.

II Range of warranty

Within the warranty period of validity, we are responsible for any troubles caused by quality problems or products technique and structure.

III The following are beyond our warranty

1. The damage caused by disobeying the operation instruction or lack of the needed condition.
2. The damage caused by unsuitable operation or disassembly without authorization.
3. The damage on product that caused by users' unexpected drop or impact to product.
4. The damage caused by unadvisable transportation or preservation.
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