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COXO[®]
Professional Dental Manufacturer



STRAIGHT HAND **Operation Manual**

MODEL: CX235

**Please read this operation Manual
carefully and file for future reference.**

Preface

Thanks for purchasing our dental straight head !

In order to fully exert the function of this equipment, safely and effectively use this equipment, please read this instruction carefully before using , and kindly please keep it to reference.

Under regulations' request, we have been committed to the optimization of our product, this may cause some parts of change, when you find the product appears some difference from description in the manual, please contact the dealers or our after-sales center for details .

Description

Low-speed straight head, with a stable and reliable performance. as a necessary equipment for general dental treatment and dentists' daily work.

Standard Symbols

On the instrument label appear standard symbols as follows:



Important notice!



Autoclave



Attention, consult accompanying documents



Class II equipment



Type B applied part



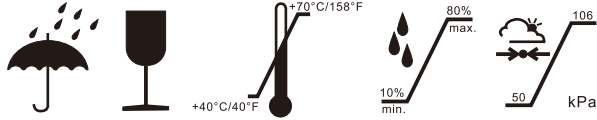
Certified to MDD93/42/EEC



Manufacturer

Transportation and deposited condition

Environmental temperature: -40°C — $+50^{\circ}\text{C}$; Relative humidity $\leq 80\%$;
The scope of air pressure: 500hPa — 1060hPa .



Technical specifications

Temperatures: -40°C — $+135^{\circ}\text{C}$

Relative humidity: 10% to 80%, non-condensing

Noise: $\leq 70\text{dB}$

Allowable Max. speed: $40,000\text{min}^{-1}(\text{rpm})$

Burs: $\phi 2.35$ handpiece bur

The optic fiber light power: 25000LUX

Accept doriot type head. For example (fig.1)

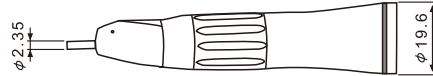


Fig.1

WARNING

- Please read this operation manual carefully before use and file for future reference .
- This product is specialized for stomatology treatment,don't use it in other ways.
- This product is only for doctors.
- Every time you use it,please check first.If find anything unnormal,stop using immediately,and contact your supplier.
- Before operating low speed handpiece,pull straight head handpiece with hand to make sure handpiece connect firmly and safely.
- Head cannot running without insert bur,otherwise head or motor would be damaged.
- Don't immerse handpiece in any chemical solvent or solution or by dry-heat disinfection.Sterilization by autoclave at(135±2)°C&0.22MPa is suggested.

Warranty

COXO grants the user a 12 months guarantee for its complete product range,Maintenance over the term of guarantee will be at the customer's charge.

COXO will not be responsible for damage or injury resulting from:

- excessive use.
- improper manipulation of the product, or modification to product carried out by persons not authorized by COXO.
- fail to follow the instruction to install, operate and maintenance the handpiece.
- damage of chemical, electrical or electrolysis due to improper autoclaving and storing.
- improper working pressure.

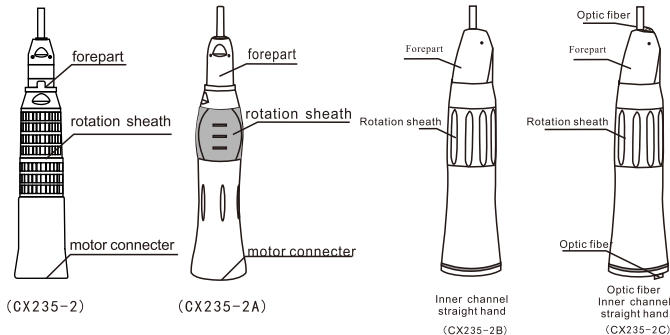
The technical specifications and dimension in these instruction are given only as a guide. They may not be subject of any claim.

Trouble Shooting

Trouble	Possible cause	Solution
Body of straight head and contra angle rotates during motor running	O-ring on the nose of motor wears	Change o-ring
Handpiece fail to rotate	Contra angle chucking with bur but lath plate fail to be fixed in the proper position. Contaminants get into the handpiece	Clean and lubricate, move it by hand

Our service center can offer technical assistance to you.

Product Composition Straight head



Mounting the bur of straight head

When bur needs to insert or remove. Move the bur lock ring to right until a click sound is heard, then open the chuck, insert or remove, after then move the lock ring to left. until another click is heard. The chuck will be locked. Under the bur rotate smoothly. Untightly if twisted by hand, the straight head can be operated.

⚠ TIPS for safe use and for maximum service life.

- Never use bent, off-centered or damaged burs. Excessive loads generated by defective burs rotating at 40,000min (rpm) will quickly damage ball bearings.
- Always insert a bur all the way into chuck. This will prevent BUR- WALK-OUT and/or damage to the ball bearing.
- Never operate the Straight Nosecone without a bur or bur blank securely in place. or Bur Lock Ring at different positions.

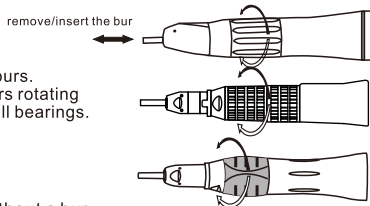


Fig.3

Rotate the bur rotation sheath, open the chuck according the direction of black arrow.

- ② Lubricate the handpiece with SPRAY .
(Ref.3.Lubrication)
- ③ Place handpiece into autoclaving pouch and seal it in accordance with instructions on the pouch.
- ④ Autoclavable up to a max. 135°C(275).
ex.) Autoclave for 20 min. at 121°C(250), or 15 min. At 132°C(270)

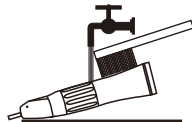


Fig.7

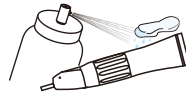


Fig.8



Fig.9

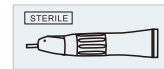


Fig.10



Fig.11

⚠ Caution

- Be sure to hold the handpiece firmly to prevent the handpiece from slipping out by the spray pressure when lubricating.
- Supply lubricant until it comes out of the handpiece nose (for approx.2 seconds).
- Keep the SPRAY can upright.

Cleaning and Sterilization

Cleaning:

Wipe clean the handpiece sheath with alcohol-dipped soft tissue or cotton. Never clean the handpiece in boiling water or in chemicals, with wire brushes, or in ultrasonic cleaners.

Sterilization:

Steam autoclave is recommended.

Autoclave sterilization required after each patient as noted below.

- ① Clean the handpiece sheath as described above.

Staright hand and motor connections

(1)Assemble:

- Hold the motor tightly, Straight hand can insert into the air motor(Fig4)
- Alignment the groove, Straight hand can insert into the air motor.(Fig4-1)

(2)Unassembled:

- Hold the motor tightly and pull the Straight hand forwards.
- Pull the optic fiber Straight hand forwards.

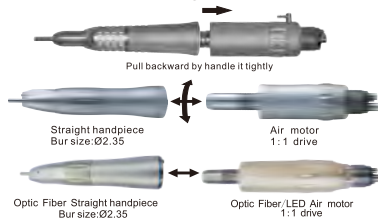


Fig.4

Fig.4-1

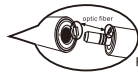


Fig.4-2

Clean-head system

1-Scrub dirt and debris from the handpiece.

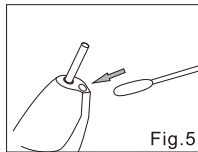
2-Stop the handpiece and wipe it dry.If the dirt could not remove from the hole, remove the cartridge and clean by brush.

⚠ Notice !

Use only clean water to maintain the clean head system.

Cleaning -bulb

Wipe clean the Cellular optical bulb entry point with an alcohol-immersed cotton swab.Remove all debris and oil.



Lubrication

Supply SPRAY after each use and/or before autoclaving.

- ① Push E-type spray nozzle attachment over the SPRAY nozzle until it firmly seats.
- ② Shake the can 3-4 times to well mix lubricant and propellant.
- ③ Insert the E-type spray nozzle in the rear of the handpiece and spray for approximately 2-3 seconds until the oil comes out of the handpiece head or nose.

