

Low speed handpiece

Low speed handpiece is using high technology and original design from European company. This handpiece adopt the ISO3964 standard and combines with air motor, contra angle, and straight handpiece. The connection of motor and connected pipe adopts the ISO9168 international standard.(2-hole and 4 hole available).

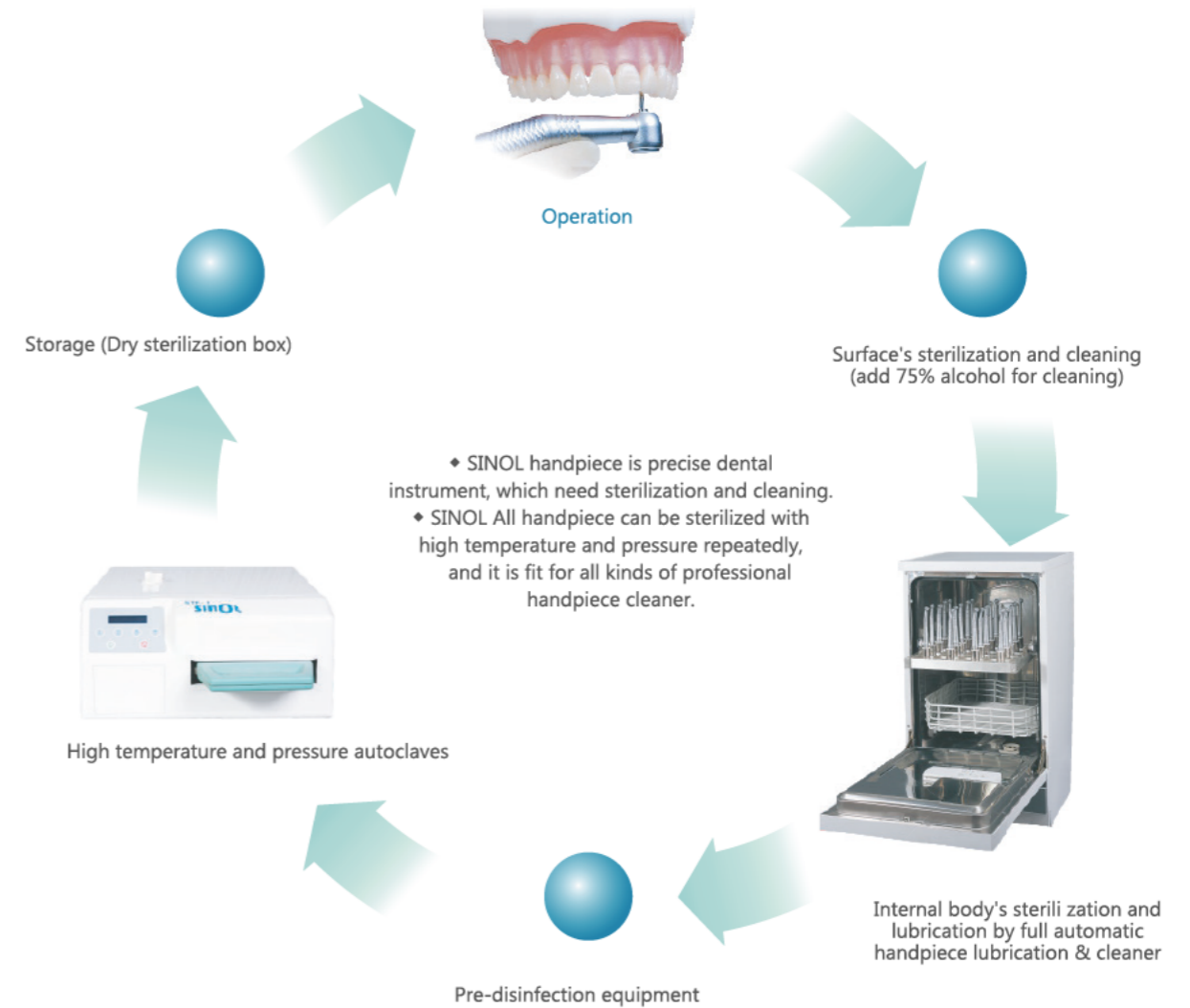


internal spray

Brushless electric motor system



Sterilization and cleaning chart of handpiece



Lubrication method



Series of B

Lubrication method for high speed handpiece:

- ◆ Lubrication for maintenance
- ◆ Revolution can not reach the standard
- ◆ Vibration, high noise.
- ◆ vibrated bearing



Series of A

- ◆ Dismount the handpiece from connecting pipe.
- ◆ Install different handpiece's lubricate nozzle on the spray nozzle well to avoid leak lubrication.
- ◆ Insert nozzle on back of handpiece body or air inlet ensure lubrication's well spray through handpiece until the clean lubrication comes out.

Lubrication method for low speed handpiece



Straight handpiece chart



Contra handpiece chart



spray oil injection

Summarize:

All the handpiece need sterilization and lubrication after operation or using it surpass 30 minutes to prolong handpiece's life.

Straight handpiece (contra handpiece)

- ◆ Dismount straight handpiece(contra handpiece) from motor.
- ◆ Install E nozzle on the lubricant.
- ◆ Insert E nozzle on back of straight handpiece (contra handpiece) to spray 2-3 seconds till through out of head. Stop spray until clean lubrication comes out.
- ◆ Keep Straight handpiece(contra handpiece) stand for a while, and then connect with the motor until there is no lubrication in turbine.

Motor

- ◆ Keep front inserted turbine down, push and spray the lubricate for 4-5 drops or aim at air inlet of motor to spray 2-3 seconds.
- ◆ Connect the motor with turbine to spin 1-2 minutes till finish lubrication.
- ◆ Wipe the redundant lubrication with tissue to finish lubrication.



Motor

Cooling drainage water solution



Clean the water spray with probe

Check connecting pipe water system, and connect quick couplet to avoid blocks in turbine, clean it with probe. If it can not be solved, return to SINOL for maintenance. Side spray type is a kind of mixture spay in turbine, appropriate cooling air pressure is adjusted ahead.

Trouble solution for chucking system of high speed handpiece

Chucking system's trouble is caused by block in chucking head and pay attention to following can avoid chucking head broken.

Bur selection

- ◆ Make sure revolution provide by the manufacture when select bur.
- ◆ Damage bur will drop off from head which shorten the handpiece life.
- ◆ Mini head connected with short handle bur should be suggested because long handle bur will drop off easily.

Bur installation

- ◆ Install bur after cleaning blocks avoiding flexibility of chucking system.
- ◆ Insert bur firmly till it can not be pull.

Picture for pulling bur



Notes

- ◆ The handpiece broke caused by spindle contact with push button, which is difficult in open the push button. So, press the push button will result in damage of button inside and what worse is that you will burn when replace bur in handpiece working.



Maintaining tools



Magnetic revolution machine

Installation tool for ball bearing of high speed handpiece

Head bracing tool for high speed handpiece

Cartridge cpl. of high speed handpiece

Ball bearing of high speed handpiece

Dental low speed handpiece



External Order code: 235-F SET-4
235-F SET-2



inner channel Order code: 235-B SET-4
235-B SET-2



Generator in contra angle



inner channel LED Order code: 235-E SET-4
235-E SET-2

Technical:

Low speed handpiece: 1 way spray
 Chuck type: push button
 Noise: ≤70dB
 Air pressure: 0.30MPA
 Bur applicable: Ø2.35_{-0.01}mm(ISO1797-1)
 Rotation speed: about20,000rpm

Model: C7-5



1:5 Speed increased Contra Angle
New upgrade, Better structure Better performance

Order code: C7-5
Optic fiber

1:5 speed increase

Technical:

Chuck type: push button
 Spray: Inner channel
 Bur applicable: Ø1.6mm
 Rotation speed: about200,000rpm

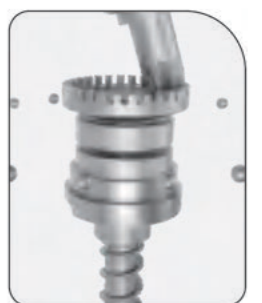
V shape water spray structure
More stable and better cooling



Add sanitary hole
Reduce the risk of dirt entering



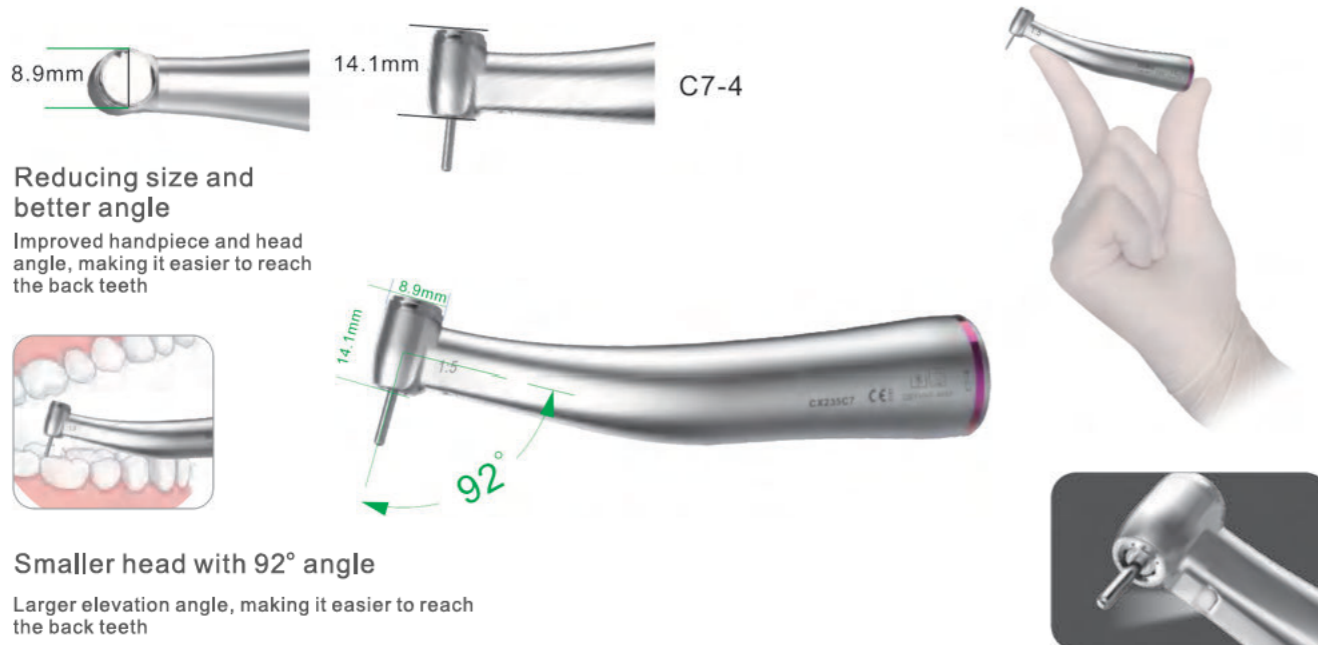
Better waterproof structure
To better prevent water from entering the head



More concentrated light
Increase the illumination by 100%

Improved shaft structure
Service life increased by more than 90%

Model: C7-4



Model:235-F SET 4



Technical:

Chuck type:	push button
Noise	≤70dB
Air pressure:	0.30MPA
Bur applicable:	Ø2.35 _{±0.014} mm(SO1797-1)
Rotation speed:	about20,000rpm

Model:235-B SET 4



Technical:

Low speed handpiece: 1 way spray

Chuck type:	push button
Noise	≤70dB
Air pressure:	0.30MPA
Bur applicable:	Ø2.35 _{±0.014} mm(SO1797-1)
Rotation speed:	about20,000rpm

Model:Optical Fiber CX235C1



Order code: CX235C1
New upgrade, new integrated head

1:1 Direct drive

Low speed handpiece:	1:1 direct drive
Chuck type:	push button
Spray:	Inner channel
Bur applicable:	Ø2.35 _{±0.014} mm
Rotation speed:	MAX40,000rpm

Model: Optical Fiber CX235C1 C1-1



Order code: CX235C1 C1-1
New upgrade, new integrated head

1:1 Direct drive

Low speed handpiece:	1:1 direct drive
Chuck type:	push button
Spray:	Inner channel
Bur applicable:	Ø2.35 _{±0.014} mm
Rotation speed:	MAX40,000rpm

Model: CX235-2B S-2B



Order code: S-2B

1:1 Direct drive

Low speed handpiece:	1:1 direct drive
Spray:	Inner channel or External
Bur applicable:	For surgical Ø2.35 _{±0.014} mm
Rotation speed:	MAX40,000rpm