

The **Friendo** is the lightest cordless warm vertical condensation device

The Friendo is the lightest cordless warm vertical condensation device with truly ergonomic features. By using the uniquely designed light weight lithium polymer battery, the Friendo's weight is evenly distributed from front to back for maximum comfort. With its superior heating control mechanism, the Friendo consistently delivers predictable and reliable results everytime.



Shot: Heat Activation

Status Display

Power on/off & Tip Size Selection
(XF, F, FM, M, ML)

Temperature Control
(170°C / 200°C / 220°C)

features

- Maximized comfort with stylish design
- Ergonomic and user - friendly operation
- Excellent apical control over lateral and complicated root canals
- Effectively liquefies and condenses root canal filling materials
- Adjustable 3 temperature settings (170°C / 200°C / 220°C)
- Color-coded pen tips are available in various sizes (XF, F, FM, M, ML) for easy recognition



advantages

> Speed

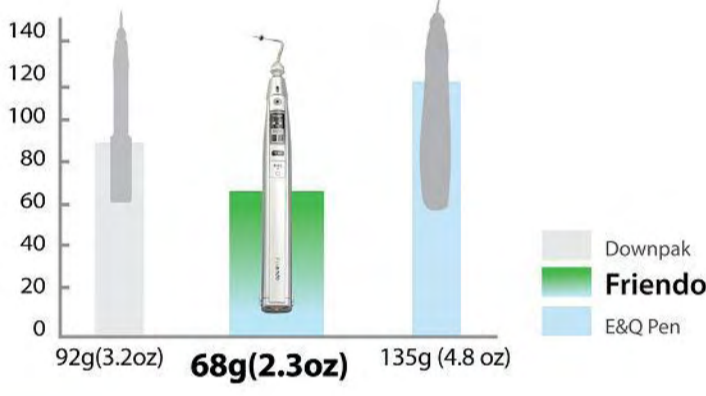
3 temperature settings (Low / Medium / High):
Low = 170°C / Medium = 220°C / High = 220°C



0°C - 220°C =
0.3 seconds

> Portability

Friendo is simply the lightest of its kind. Now, say good bye to your heavy, bulky and corded heat sources. Once you get used to this feather weight condensation device, you will never want to go back to them again.



specifications

Operating Time	3 second shot x 100	
Operating Temperature	170°C / 200°C / 220°C	
Charging Time	2 hours and 30 minute	
Weight	Friendo (Pen)	68g (2.3oz)
	Charging Station	260g (9.1oz)
	AC Adapter	200g (7oz)
Input Power	AC 100~250V, 50~60 Hz	
Output Power	6V DC, 2.5A	

components



Friendo Pen (F-1001)



Charging Station (F-1002)



Safety Protector (FE-1003)



Friendo Pen Tip: 5 sizes (FE-1004-XF, F, FM, M, ML)

** 2 default tips : F, FM **



AC Adapter (AC-1002)



AC Power Cord (AC-1001)

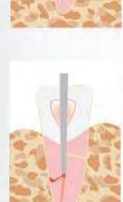
clinical case study



1. Select and fit a master apical cone that is equivalent in size to the taper of the canal being obturated.



2. Adjust and mark the length with the silicone stopper after selecting a Friendo pen tip inserted shortly to 3~4mm than working length.



3. Dehydrate root canal with paper points. Apply sealer wax on the master cone to 2~4mm, and insert it to the root canal. Then cut the excess over the orifice by using the Friendo pen tip with gutta percha to 3~4mm short of the working length.



4. Harden the melted gutta percha with pre-selected plugger tip. Now apical area and accessory canal are thoroughly filled(1/3) and obturated.



5. Insert the Gutta Easy injection pipe into the root canal, then wait for 5 seconds in order to start softening process of obturated gutta percha inside the root canal.



6. Pull the trigger slowly and fill the gutta percha up to the root canal. Injection pipe gets pushed away naturally from the area being treated by back-filling pressure.



7. Harden and compact the heated gutta percha with bigger plugger.