

The Endo-Apex is the lightest and highly efficient cordless endodontic obturation system

which offers optimum functionality and reliable apical control along with excellent tactile sensing. The Endo-Apex successfully delivers predictable results in vertical condensation and 3 dimensional thermo-plasticized obturation. The 2 most effective individual obturation devices (Friendo, Gutta Easy) are beautifully combined as one convenient package for maximum efficiency: "The Perfect Match".



Friendo
Vertical Condensation Pen

Gutta Easy
Thermo-Plastic Obturation Gun

Endo@pex

features

- Ergonomic and user-friendly operation
- Maximum Portability with stylish design
- Reduces hand and wrist fatigue and adds more precision to hard-to-reach canals
- The most powerful and rapid heating control mechanism
- Adjustable 3 temperature settings (Low/Medium/High)
- Color-coded pen tips are available in various sizes (XF, F, FM, M, ML) for easy recognition
- Convenient and reliable obturation with predictable results



advantages

> Speed

3 temperature settings (Low / Medium / High) :
Low = 160°C / Medium = 180°C / High = 200°C



0°C - 200°C =
23 seconds

3 temperature settings (Low / Medium / High):
Low = 170°C / Medium = 200°C / High = 220°C



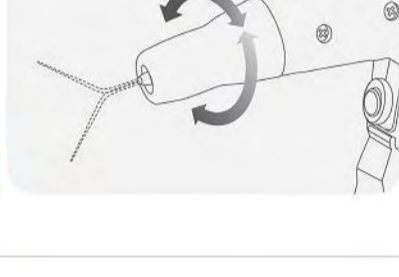
0°C - 220°C =
0.3 seconds

> Efficiency

'Easy Swivel (patent)' provides better access to hard-to-reach areas and increases precision of thermo-plasticized back fill obturation.

Gutta Easy: Easy Swivel (Patent) >>

WIPO PATENT # : PCT / KR2009 / 003683



> 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	Friendo (Pen)	3 second shot x 100
	Gutta Easy (Gun)	1 hour and 45 minutes
Operating Temperature	Friendo (Pen)	170°C / 200°C / 220°C
	Gutta Easy (Gun)	160°C / 180°C / 200°C
Charging Time	Friendo (Pen)	2 hours and 30 minutes
	Gutta Easy (Gun)	
Weight	Friendo (Pen)	68g(2.3oz)
	Gutta Easy (Gun)	200g(7oz)
	Dual Charging Station	453g (15.9oz)
	AC Adapter	200g (7oz)
Input Power	Charging Station	AC 100~250V, 50~60 Hz
Output Power	Charging Station	6V DC, 2.5A

components



clinical case study

