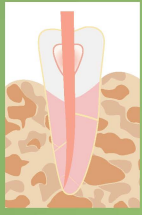
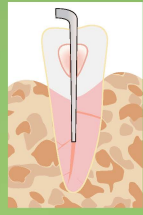


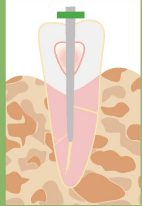
## Clinical Case Study



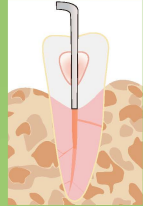
1. Select and fit a master apical cone that is equivalent in size to the taper of the canal being obturated.



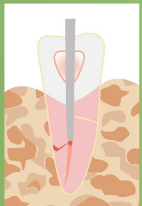
2. Adjust and mark the length with the silicone stopper after selecting a Friendo pen tip inserted shortly to 3~4mm than working length.



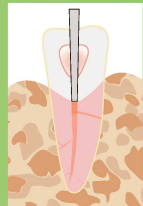
3. Dehydrate root canal with paper points. Apply sealer wax on the master cone to 2~4mm, and insert it to the root canal. Then cut the excess over the orifice by using the Friendo pen tip with gutta percha to 3~4mm short of the working length.



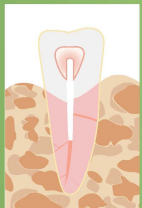
6. Pull the trigger slowly and fill the gutta percha up to the root canal. Injection pipe gets pushed away naturally from the area being treated by back-filling pressure.



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



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



Endo@pex

Friendo

Gutta Easy



The Lightest and Most Efficient  
Cordless Obturation System



**DXM** started business in 2000, entered into the business as a specialized developer in dental equipment. During past years of operation, we have been dedicated to supplying most reliable and truly efficient dental examination / treatment products in private clinics, major hospitals along with laboratories. We highly concentrate on developing core technologies that are both innovative and user-friendly under competitive prices.

### DXM

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**Endo@pex (endo-Apex)** is a compound word of endodontic and apex. DXM now introduces the new cordless endodontic obturation system: Endo@pex. The system offers premium quality and optimum functionality along with ergonomic and user-friendly design. The cordless system is fully compatible with most commonly used 'vertical condensation' and 'back-fill' obturation techniques.

Endo@pex consists of 2 individual obturation devices (also available separately). The first device is **Friendo** warm vertical condensation obturation pen for softening, spreading and compacting root canal filling material. And the second device is **Gutta Easy** thermoplastic obturation gun for back-fill treatment of root canal filling material used after cleaning and shaping of the canal.



With its outstanding performance and super light-weight, Endo@pex is considered to be one of the most powerful endodontic obturation systems in the market. After years of our research and development, Endo@pex system has been clinically proven to reduce hand and wrist fatigue while adding more precision to hard-to-reach areas.

## Friendo

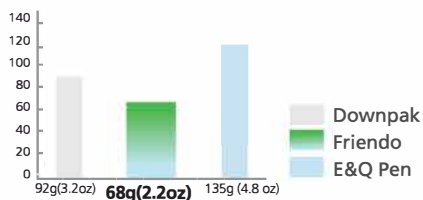
Warm Vertical Condensation Device

Thermoplastic Obturation Device

## Gutta Easy

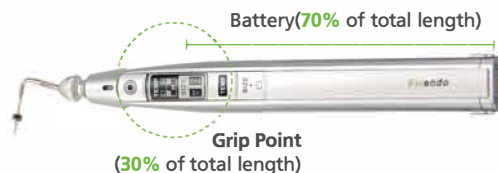
### PORTABILITY Simply the lightest

- Maximum portability.
- Friendo warm vertical condensation device weighs almost **50%** less than other brands.



### COMFORTABILITY Perfection in Balance

- A weight centroid of the Friendo hand piece is located exactly in the middle and its weight is evenly distributed (front and back).



### Easy Maintenance

- 100% no solution required.
- Obturation device cleaning is now easier than ever.
- Simply follow the 5 step easy cleaning method.



### CAPABILITY Maximum Efficiency

- **360° Swivel Mechanism(Patent)**
- Allows user to freely adjust tip direction anytime during operation.
- Reduces hand and wrist fatigue.
- Adds more precision to hard-to-reach areas.

### The Fastest Heating Mechanism

- Takes only 20 sec. to its maximum temp. of 200°C.
- Highly competitive when compared with other brands that require 40-90 sec. of heating time.
- Clinically proven to shorten operation and chair time.