



elements™ IC

Obturation System

Powered obturation with no strings attached.

Obturation is a critical step in the root canal procedure as it helps to prevent leakage, entomb remaining bacteria and reduce the chance of reinfection. The elementsIC obturation system was designed to be used with the Continuous Wave warm vertical condensation technique. The new extended battery life and Inductive Charging Base makes the elements IC the latest technology for 3D endodontic obturation without cords or wires getting in the way.

Features & Benefits

A System Based Approach.



Cordless emulation of the Elements Obturation Unit

- Same Continuous Wave™ downpack tips
- Same backfilling cartridges
- Same performance-without the cord



Inductive Charging:

NO ELECTRICAL CONNECTOR between handpieces and base



Ergonomic design for comfortable and balanced grip



Gutta-Percha cartridge level indicator, for better planning of the procedure



Batteries fully charge in less than 3 hours

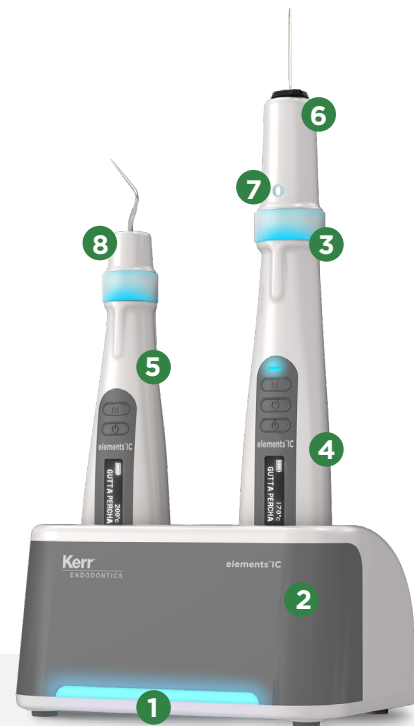


360° Ring on both handpieces for control and comfort

Old elements™ free



New elements IC

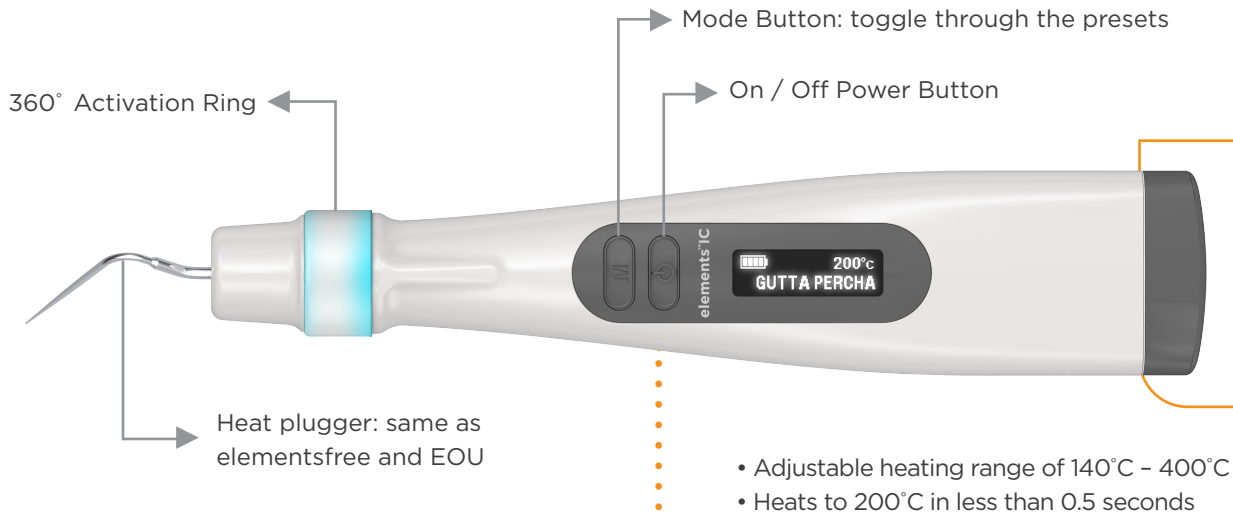


Major Improvements

1. Inductive charging for easier placement of the handpieces in the charging base
2. Extended battery life - TWICE the number of canals on a single charge compared to elements free
3. 360° ring switch on the backfill
4. Reduced extrusion time for the backfill - at least 20%
5. Ergonomic design
6. Better fit with current Silver Cartridges
7. Cartridge level indicator
8. Improved heat plugger locking system

● Old ● New

Downpack Device



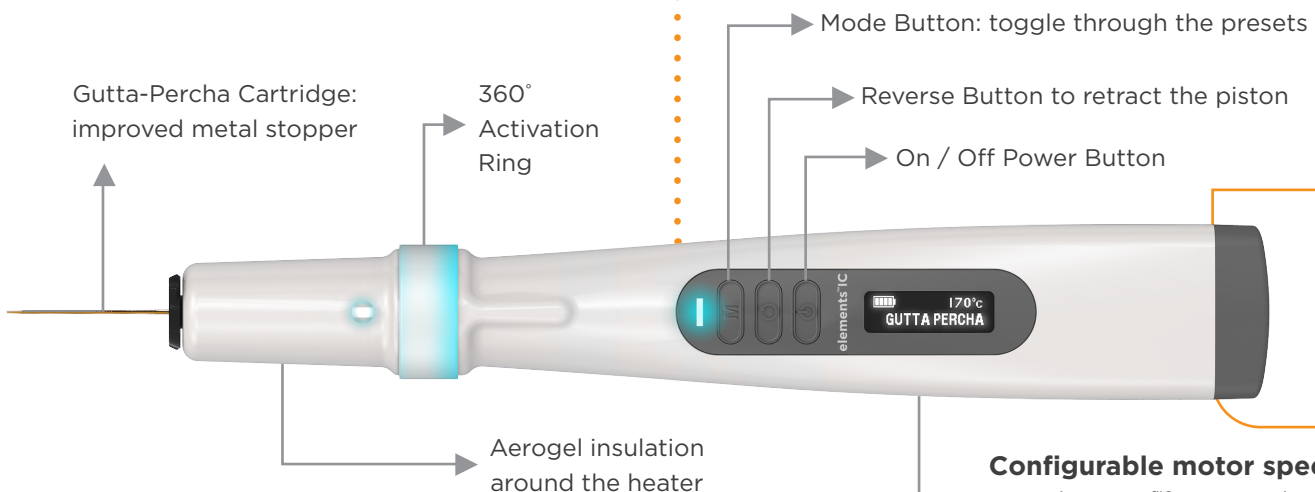
Common Features

- Same screen
- Same digital interface
- Same controls
- Temperature display
- Organic Light Emitting Diode display (OLED)
- Same, easy to replace battery
- Volume control: 6 levels
- Preset temperatures for gutta percha and custom setting

- DOUBLE battery run time compared to elements free, more than 16 canals on a single charge
- Priming time at least 20% shorter compared to elements free
- Compatible with most common cleaning solutions (CaviWipes, Sani-Cloth Plus, Optim 33TB)
- Adjustable temperature range of 100°C - 230°C

Indicator	4	3	2	1	0
Gutta Percha Level	Full	75%	50%	25%	Empty

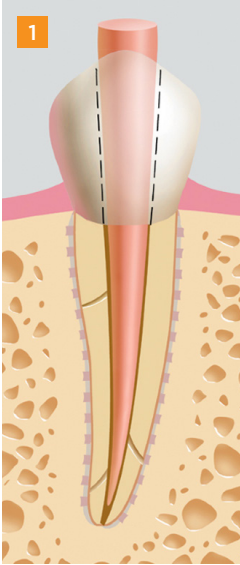
The indicator estimates how many canals you can obturate with the material left in the GP cartridge.



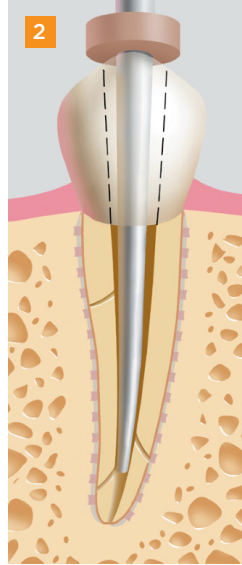
Backfill Device

Continuous Wave of Condensation Technique™

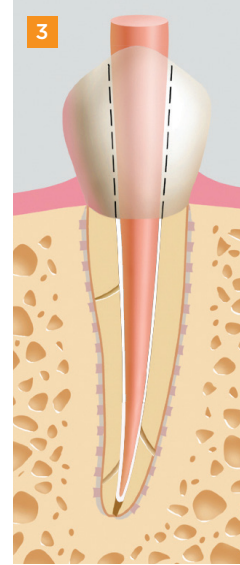
Developed by Dr. L. Stephen Buchanan



1 Fit the master cone (in a wet canal) to full length. Grab it at a right angle to the reference point with cotton pliers and trim the tip to be .5mm's short of full working length.



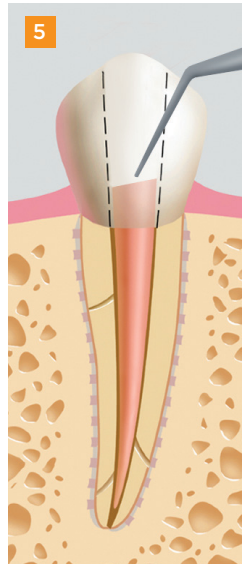
2 Pre-fit a Buchanan Heat Plugger in the canal and adjust the rubber stop to the reference point. Compare the fit plugger to the fit cone to determine the depth of the plugger in the canal - ideal is 4-6mm from the terminus.



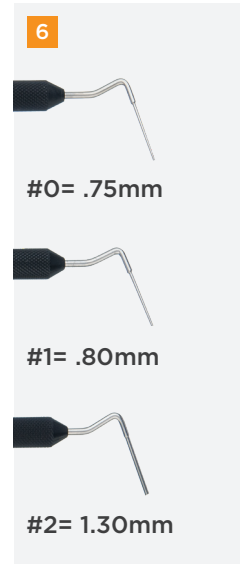
3 Coat the apical 1/3 of the cone with sealer and slowly place it in the canal pumping it up and down 2-3 times.



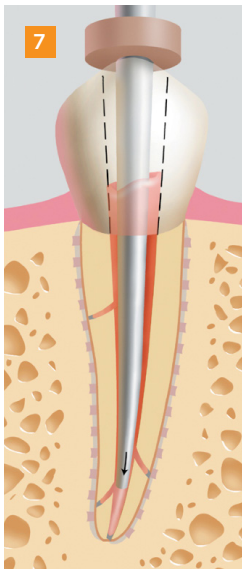
4 The Downpack device can be used with all gutta percha.



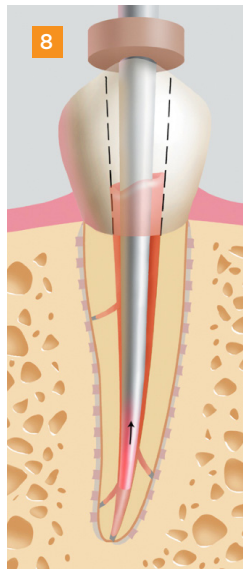
5 Sear the cone off at the orifice level.



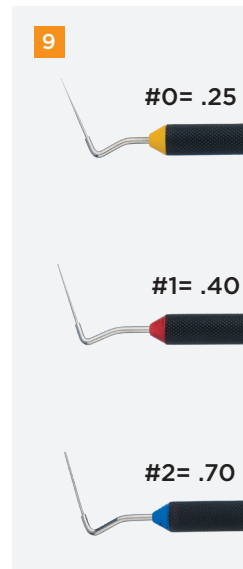
6 Select the appropriate size Buchanan Hand Plugger, and using the stainless steel end, firmly condense the gutta percha at the orifice.



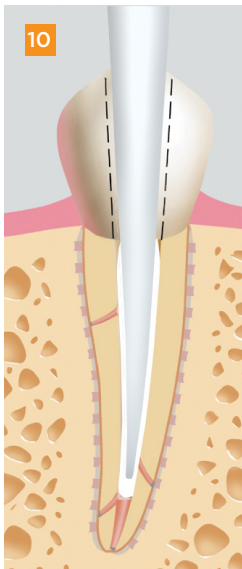
7 Set the heat plugger on the cone; activate the heat, and downpack, releasing your finger from the operating switch shy of the binding point and maintaining apical pressure for 10 seconds.



8 Activate the heat switch for a 1 second separation burst, pause 1 second and remove the heat plugger.



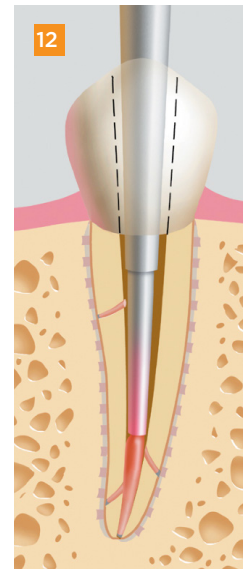
9 Select the appropriate Buchanan hand plugger, and using the NiTi end, condense the apical mass while removing any material from the canal walls.



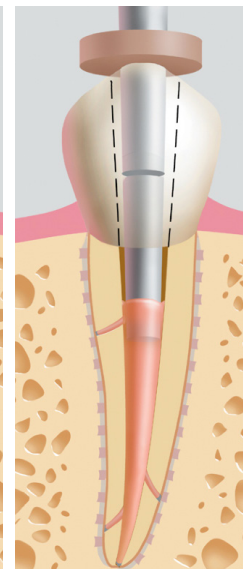
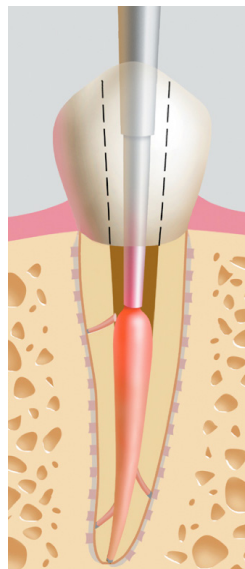
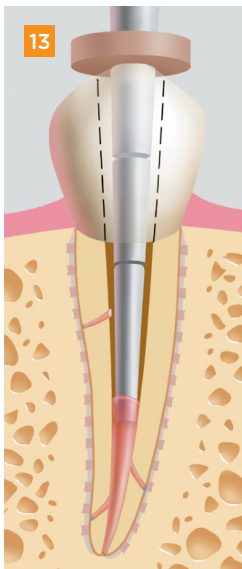
10 Lightly place more sealer in the backfill space with the tip of a paper point.



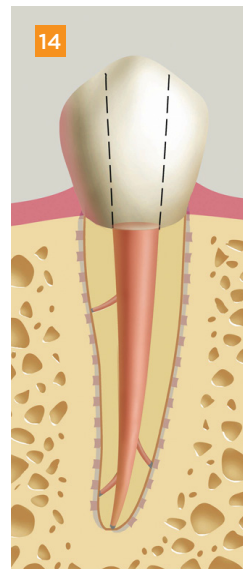
11 Extrude a small amount of material to heat the needle.



12 Place the Backfill device needle in the canal short of the condensed fill, wait 5 seconds for the needle to reheat. Backfill the canal 1/2 way. Using the NiTi end of the Buchanan hand plugger, condense the fill.



13 Re-insert the needle, wait 5 seconds for it to reheat, backfill to the canal orifice.



14 Select the appropriate Buchanan hand plugger and, using the stainless steel end, condense the coronal fill.

Ordering Information

Part #	Item Description
973-0600-TYPE1	elements IC Obturation System
973-0602-TYPE1	Downpack Unit
973-0604-TYPE1	Backfill Unit
973-0610	Dual Charger
973-0612	Single Charger
973-0615	Transformer
973-0616-TYPE1	Power Cord
973-0620	Battery



Heat Pluggers

Part #	Item Description
952-0004	Fine Buchanan Plugger, .06 Taper
952-0005	Fine-Medium Buchanan Plugger, .08 Taper
952-0006	Medium Buchanan Plugger, .10 Taper
952-0007	Medium-Large Buchanan Plugger, .12 Taper
952-0031	Extra-fine Buchanan Plugger, .04 Taper



Hand Pluggers

Part #	Item Description
974-0058	Buchanan Hand Plugger-1-Red
974-0059	Buchanan Hand Plugger-2-Blue
974-0060	Buchanan Hand Plugger-0-Yellow



elements Cartridge

Part #	Item Description
972-1002	Gutta Percha, Medium Body, 23 Gauge - Silver
972-1005	Gutta Percha, Heavy Body, 23 Gauge - Silver
972-1003	Gutta Percha, Light Body, 25 Gauge - Silver
972-2500	Gutta Percha, Medium Body, 23 Gauge - Gold
972-2502	Gutta Percha, Heavy Body, 23 Gauge - Gold
972-2501	Gutta Percha, Light Body, 25 Gauge - Gold

