



Ultra χ | Ultrasonic
Irrigation
New Standard of Cleaning in Endodontics

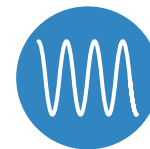
www.eighteeth.com
www.orikamhealthcare.com



Ultra X | Key Features



Ultrasonic Activation Device



45 kHz High Frequency







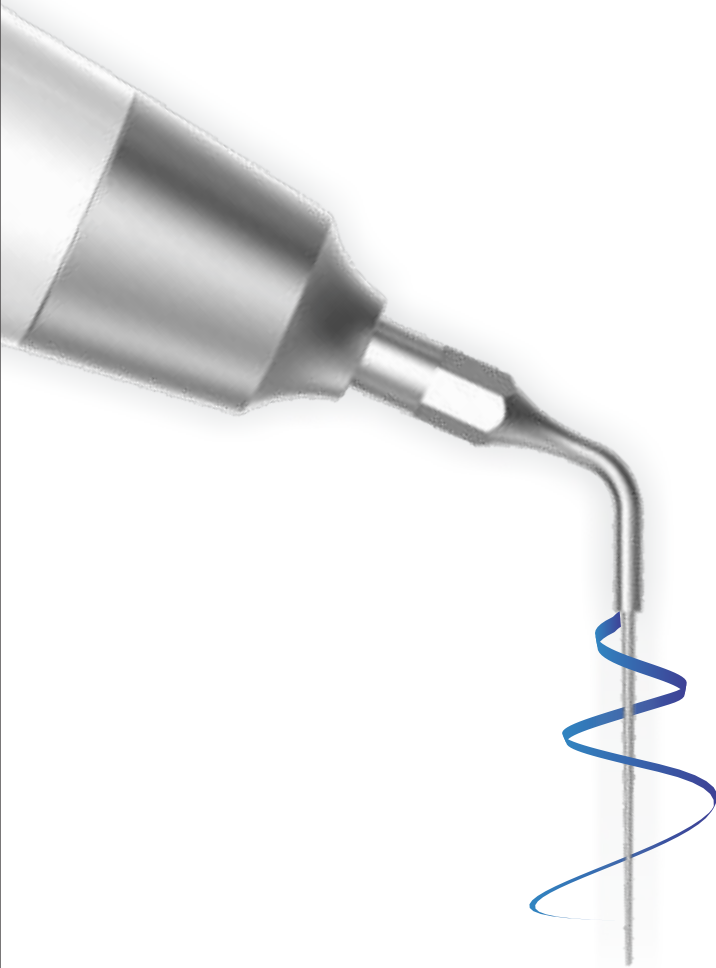
Application Based Multiple Tips



1500 mAh Powerful Battery

Ultra X | Key Features

-  Two Power Modes with LED Indicator
-  Contra-angle Design
-  Light Weight & Ergonomic
-  Cordless Irrigation Device



Ultra X | Tips



Autoclavable Tips



Smooth Surface Finish



Flexible Tips*

* Only X Blue & X Silver are Flexible Tips



Multiple Tip Options



Available Tips

Size	Length(mm)
#20 2%	18 & 21
#25 2%	18 & 21



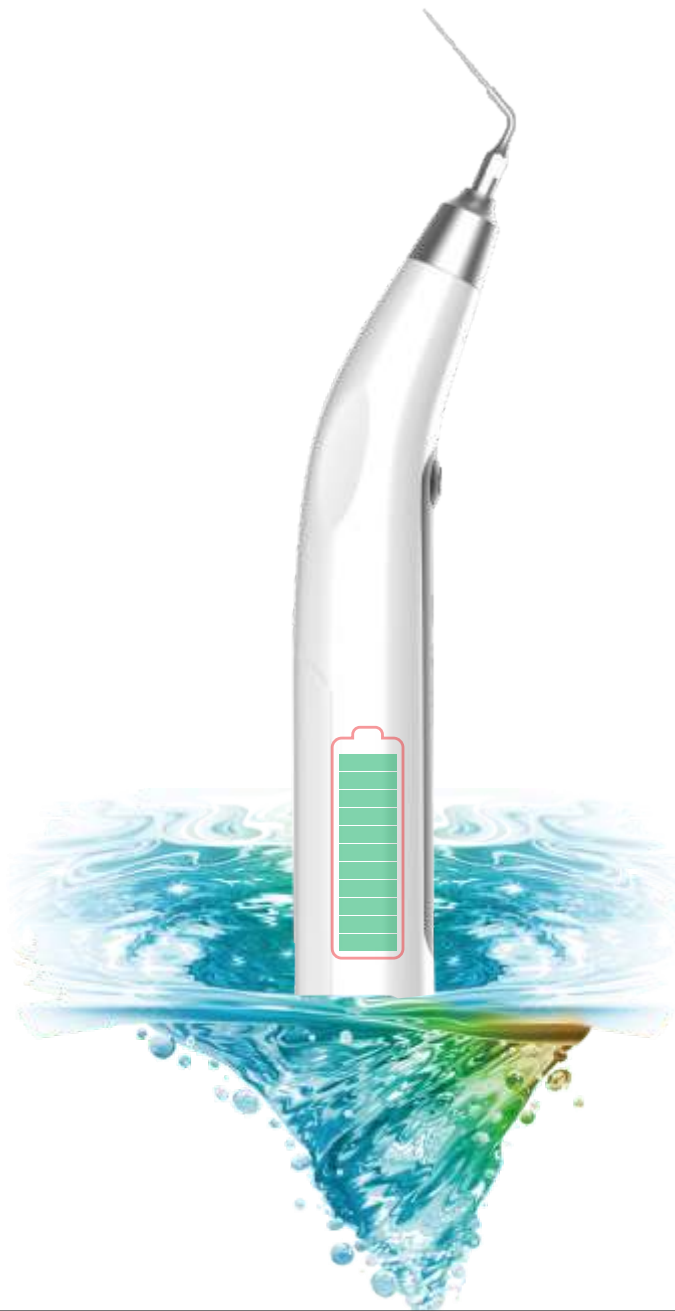
X Gold
Super Powerful



X Blue
Flexible



X Silver
Soft & Flexible



Ultra X | Battery



1500 mAh Li-ion Battery



Battery Level Indicator



4.5 Hrs of Continuous Operation

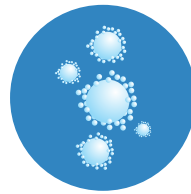


Option of Direct Plug & Play

Ultra X | In Action

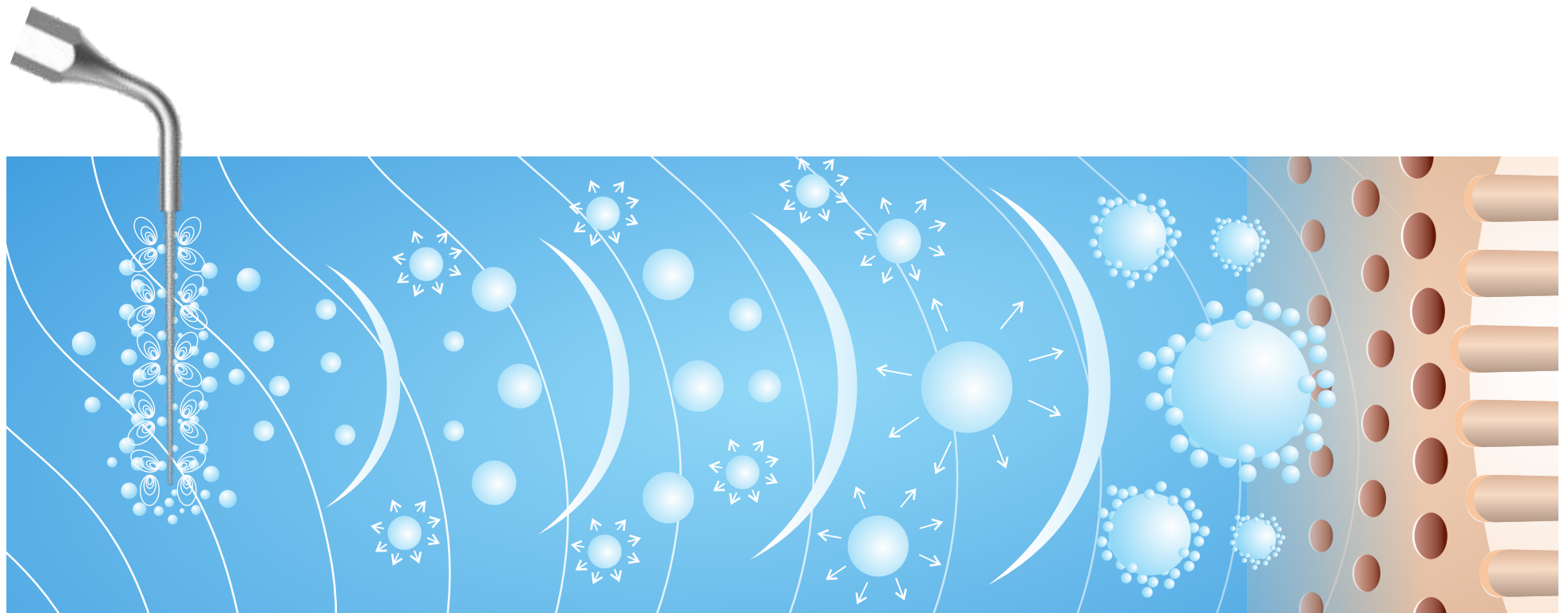
Cavitation Effect

It is the process of formation of millions of gas bubbles in the irrigation solution. These gas bubbles grow in size, oscillate in different directions and explode into the liquid producing powerful cleaning action.

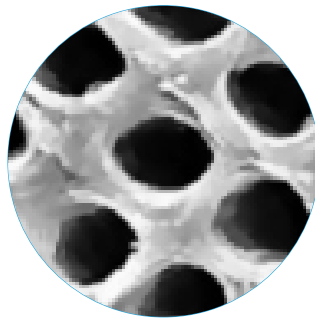
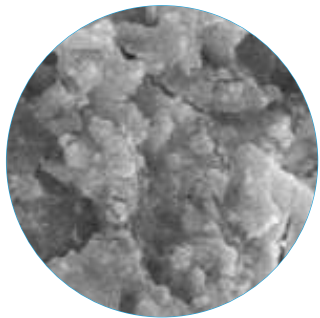


Acoustic Streaming

It is a unidirectional flow of liquid produced by ultrasonic waves. Movement of tip produces special effect called acoustic turbulence which accelerates the movement in liquid inside the root canal.

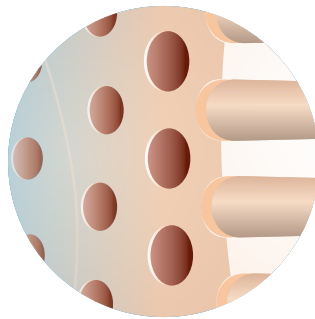
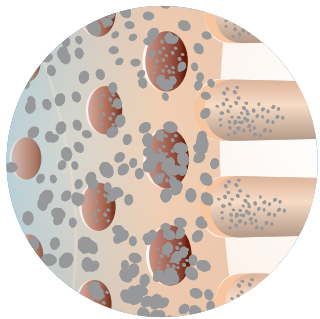


Ultra X | Indication



Smear Layer Removal

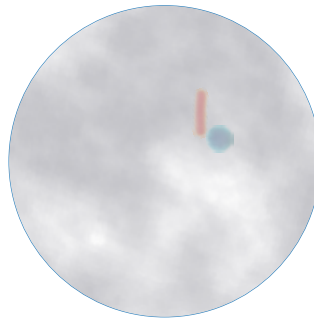
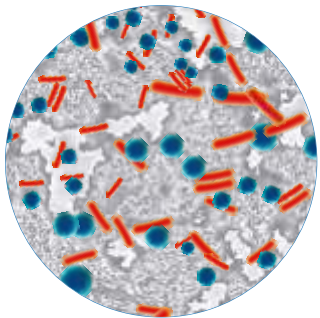
Effective in removal of smear layer and unplugging of dentinal tubules.



Dentin Chips Removal

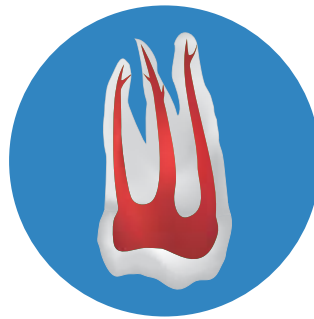
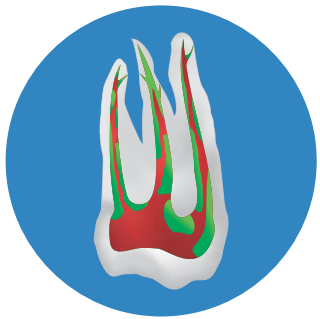
Ultrasonic agitation forms suspension of residual dentinal chips and tissue remnants with irrigant and facilitates their easy removal.

Ultra χ | Indication



Biofilm Disruption

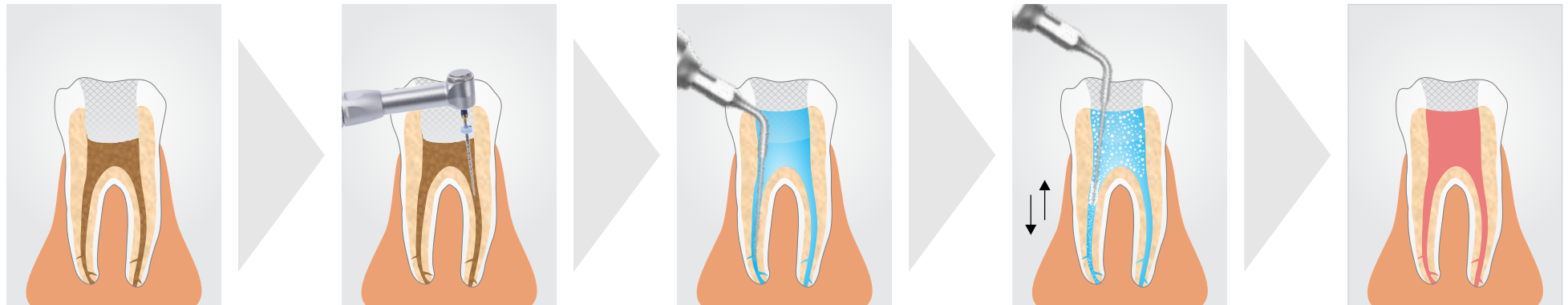
Ultrasonic cavitation disrupts the biofilm and helps to reduce bacteria load in the canal.



Cleaning of Complex Anatomy

Ultrasonic activation helps irrigants to flush into undetected or un-instrumented canal anatomy like isthmus, fins, lateral canals, apical ramification etc. Also helps to remove vapour lock.

Ultra X | Protocol



- | Prepare the root canal up to required size with the help of shaping and finishing instruments.
- | Choose the desired disinfectant and flushing agents for cleaning, debridement and disinfection of canals.
- | Fill the chosen irrigation solution into the canal, never run Ultra-X without irrigating solution.
- | Select the Ultra-X tip of desired size and length which passively fits into canal, always keep 2 - 3mm short of apex.
- | Activate solution using short vertical up & down strokes for 30 seconds. Be careful to not breach apical 2mm.
- | Use the device gently and never apply pressure or wedge the tip inside the canal. If any points of resistance, then retrieve the ultrasonic tip.
- | Replenish the irrigating solution, use suction to remove the loose debris. Repeat the cycle 4 to 5 times.
- | Completely dry the canal and fill it with choice of obturation material.
- | It is always recommended to isolate the tooth using rubber dam and use personal protective barriers like head gear, mask, eyeglasses etc.

Ultra X

