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(57) Abstract :

Disclosed herein is a vibrospiral-based root canal sealer placement system (100) consisting of various components such as a shank module (102) serving as the non-working shank with an L-shaped design, a wire module (104) extending from the shank module (102) and transforming into a spiral for flexibility, a control console (106) managing settings within the piezoelectric unit (112) for precise control, a power supply unit (108) providing essential electrical energy, a safety module (110) with safety features including a weakened point for easy retrieval, and a piezoelectric unit (112) generating vibrations and controlling signal modulation for uniform sealer placement in root canals.

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