



Garrison Dental Solutions Launches Loop™ Curing Light with Closed Loop Technology

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SPRING LAKE, Michigan -- Garrison Dental Solutions, a pioneer in dental innovation, is proud to introduce its latest breakthrough in light curing technology: the Loop™ Curing Light. This state-of-the-art curing light brings groundbreaking precision and consistency to restorative dentistry, enhancing clinician confidence with every cure.

The Loop™ Curing Light features a revolutionary closed-loop algorithm that dynamically adjusts light output to deliver the exact energy needed for a perfect cure every time. Loop ensures that the right dose of energy reaches the tooth, minimizing the risk of under-curing or over-curing. By continuously measuring and adjusting power output more than 500 times per second, Loop eliminates guesswork and allows for consistent curing across all restoration surfaces, regardless of hand positioning or distance.

Loop offers multiple modes, including Direct Restorative Mode with three power levels (1,000, 2,000, and 3,000 mW/cm²) for varied curing times and a specialized Tack Mode for securing materials. The built-in LED display provides intuitive real-time feedback, enabling seamless navigation through settings while confirming selected modes and remaining cure time at a glance. This streamlined control empowers clinicians to work with accuracy and efficiency.

The Loop™ Curing Light is equipped with a broad-spectrum dual-wavelength LED system that ensures consistent spectral beam homogeneity. This guarantees thorough activation of all photo initiators, covering a wavelength range from 390nm to 480nm, regardless of the material being cured. The expansive 9.7mm lens diameter and real-time adjustments maintain uniform irradiance even as the distance between the light and tooth surface varies, resulting in an effective beam diameter of 13 mm at 10 mm distance from the target.

Loop simplifies maintenance with a self-calibration feature. Daily lens checks and monthly full calibration cycles ensure optimal performance, preventing issues such as lens debris or LED degradation. The Loop system includes a calibration and charging base, protective sleeves, and other accessories, backed by a 3-year limited warranty.

About Garrison Dental Solutions

Established in 1996, Garrison Dental Solutions is a privately held company dedicated to advancing the quality and efficiency of dental care. As a global leader in sectional matrix systems and other dental innovations, Garrison's products are trusted by clinicians worldwide. For more information, visit www.garrisondental.com

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