LASERENT

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Fiber Dust

Thulium Fiber Laser

The Fiber Dust TFL by Quanta System is now available for the treatment of stones and precise soft tissue surgery. This recently emerged technology delivers a range of power including extremely high frequency for effective stone dusting. Its high frequency working with pulsed emission at low peak power results in reduced stone retropulsion.

The wavelength of Fiber Dust is 1940 nm which resides at an absorption peak of liquid water, resulting in minimal penetration depth for maximal effect on stones and coagulation of soft tissue.

- High absorption efficiency, low peak power and pulse energy enable extremely fine stone dusting
- Efficient pulse energy distribution requires lower power
- Standard power outlet requires no dedicated socket in the OR
- Compact size presents a much smaller footprint in the OR
- Low heat generated requires only a simple air cooling system.

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Features & Specifications

Laser Specifications

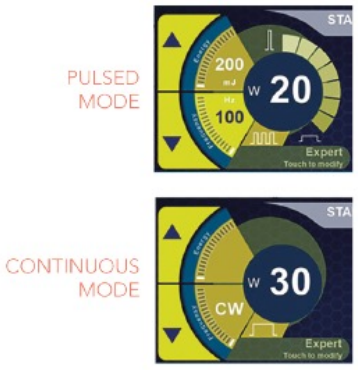
Wavelength: 1940 nm
Power and Engery: Upto 60W; 0.02 - 6J
Frequency: Up to 2500Hz
Aiming Beam: 532nm
Electrical: 100-240VAC; 50/60 Hz; 1000VA
Dimensions: 18.5"(w) x 23.6"(d) x 13.9"(h)
Weight: 110 lbs

Emission Modes

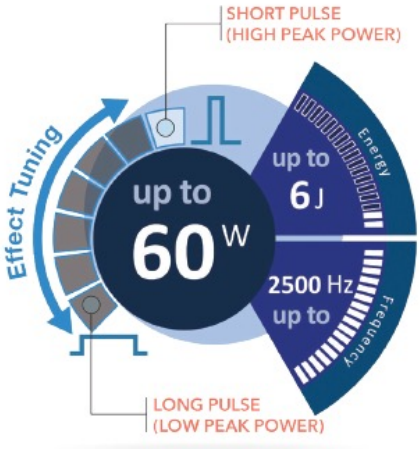
Fiber Dust can operate in both pulsed and continuous emission. The pulsed emission, with higher peak power enables stone lithotripsy and more aggressive tissue cutting. Continuous emission provides a slightly deeper effect and smoother action.

Pulse Width Control

Adjust lithotripsy and cutting effect with 7 levels of pulse width that are available, to finely tune the effect of laser emission based on stone hardness and visual feedback.



Switch between pulsed and continuous emission by pushing this button. Once in continuous mode, simply choose the average output power.



SAVE AND LOAD SETTINGS
When you find a suitable settings combination, you can save that in a customized preset and reload these parameters in future treatments

Double Footswitch

The double footswitch enables immediate toggling between modes, saving time with no needed settings readjustment.