

Fiber Dust

Thulium Fiber Laser



Case-by-Case
MOBILE SERVICE

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

Product Features & Specifications

Fiber Dust Thulium Fiber Laser

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.

Laser Specifications:

Wavelength: 1940nm

Power and Energy: Up to 60W; 0.02 - 6J

Frequency: up to 2500Hz

Aiming Beam: 532nm

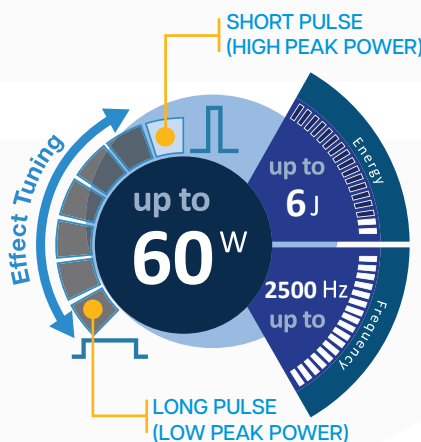
Electrical: 100-240VAC; 50/60Hz; 1000VA

Dimensions: 18.5"(w) x 23.6"(d) x 13.8"(h)

Weight: 110 lbs



Switch between pulsed and continuous emission at the touch of a button. Once in continuous mode, simply pilot 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 one emission mode and another, saving time with no needed settings readjustment.



Clinical Presentation

Dr. Sri Sivalingam