

Electrical Specification

Input AC Voltage Range	90 - 240 V AC
Input AC Current	Up to 8.5 A
Input AC Frequency	50 Hz - 60 Hz

Optical Specification

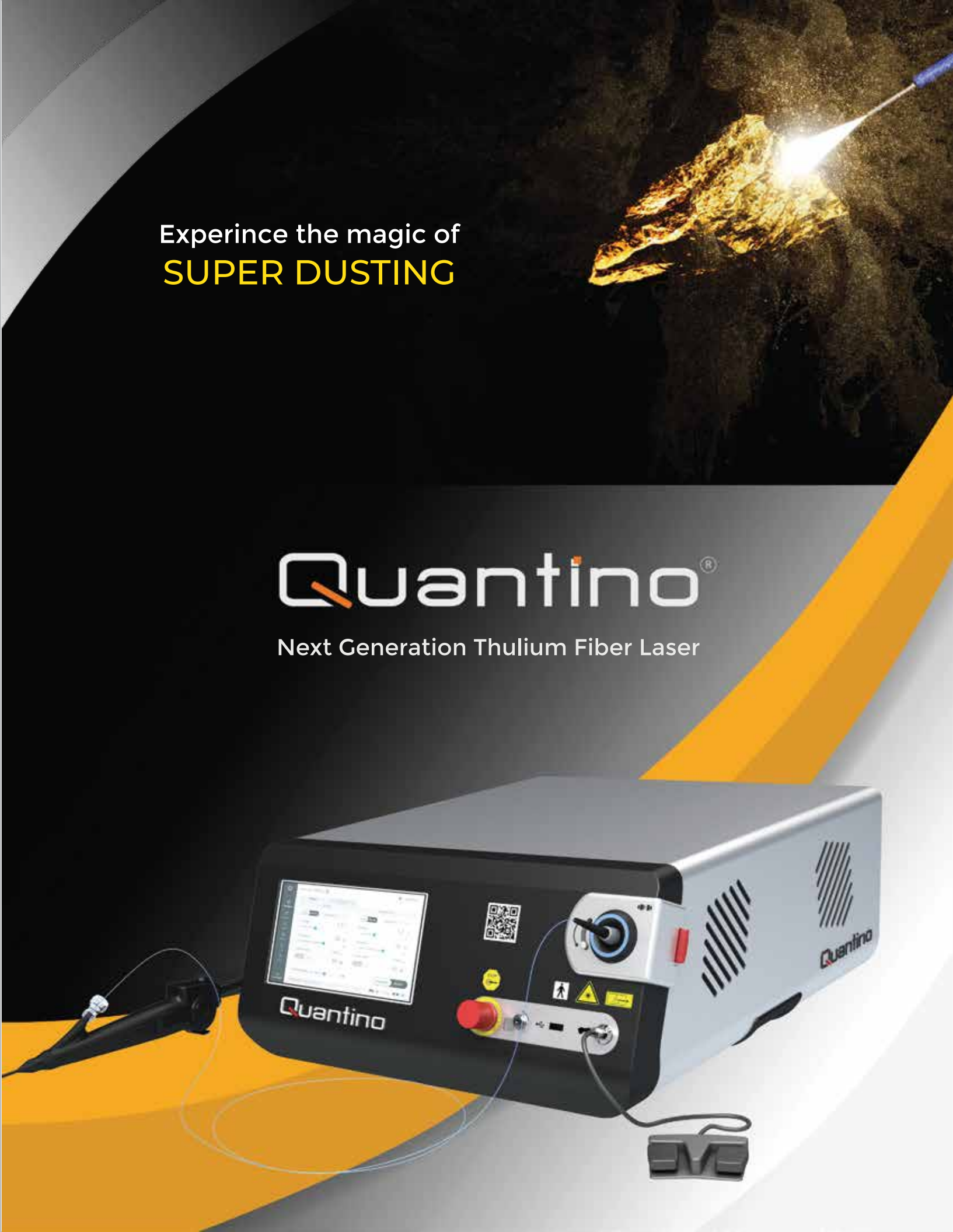
Mode of Operation	Pulsed, Continuous (CW)
Central Wavelength	1940 ± 20 nm
Width Emission Spectrum (FWHM)	< 1 nm
Output Power in CW Mode	75W
Pulse Energy	0.05 - 6 J
Pulse Length	0.25 - 50 ms
Repetition Rate	1-1000 Hz
Long-term Stability	< 1.0 %
Beam Quality	M' < 1.2
Laser Safety Class	4
Aiming Beam	550 nm (Green)

Disclaimer: The specifications in this brochure are subject to change without prior intimation



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Next Generation Thulium Fiber Laser

The **Quantino** Laser System is the next generation **Thulium Fiber Laser** offering optimum laser efficiency in stone as well as soft tissue management.

The Laser can be used in wider applications across various domains for example:

- Urology: Urinary Lithotripsy, BPH
- Gastroenterology: Biliary / Bile duct calculi, Gastric ulcers, Hemostasis of bleeding lesions
- Gynaecology: Intra-uterine treatment of submucosal fibroids, soft tissue excision procedures
- ENT: Tonsillectomy, Endonasal / sinus surgery
- Thoracic and Pulmonary: Laryngeal lesions, Airway obstructions including Carcinoma
- General Surgery: Biopsy, Hemorrhoids,

## Technology

- Superior beam technology with < 50 micron beam spot size facilitates. Maximum coupling efficiency into small core fibers allows max articulation of endoscope.
- Efficient thermal management makes it possible to offer 75 W air cooled laser system.
- In-built Wi-Fi with mobile interface allows uninterrupted surgery from a mobile device.



## Safety Features

- Fiber probe authentication for optimum laser output.
- Blast shield allows system protection.
- Key switch & emergency switch ensures user safety & prohibits unauthorized use of machine.
- Password protected authorization ensures users accountability.
- Admin control for access & monitoring.

## Utilities

- **Twin pedal foot switch control** allows ease of operation in two different settings like dusting & fragmentation or ablation & coagulation.
- **Precise aim & lasing operation** using a 550 nm green guide laser aiming beam.
- **10.1" touch screen display** with simple user interface.
- **USB output** for data management.

## Advantages

- **4x lower ablation threshold** - wavelength (1940 nm) matches high temperature water absorption peak in the tissue
- **Super dusting** capability enabling Direct In-Scope Suction (DISS)
- **Faster stone ablation** - high pulse rates up to 1000 Hz - Variable laser pulse length
- **Efficient power transmission**
  - through smaller surgical fibers < 270µm single mode beam profile
- **Compact, lightweight & portable** - air cooled design
- **Low maintenance**