

Disposable<sup>+</sup>  
**MEDICAL  
LASER FIBER**

All types of lasers are applicable.

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**Disposable Medical Laser Fiber**

Manufacturer: Weihai Medison Medical Equipment Co.,Ltd

The Registered Address: Qujiahe Industrial Park, Yangting Town,  
Huancui District, Weihai City, Shandong Province, China

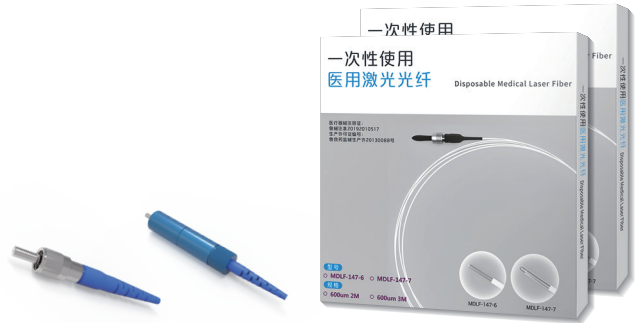
Production License Number: Lu FDA Production License 20130088

Medical Equipment Registration Number:  
Lu Machinery Registration Approval 20192010517



### Product Information

- [Product Name] Disposable Medical Laser Fiber
- [Model] MDLF-147-6, MDLF-147-7
- [Specification] 600μm 2M, 600μm 3M
- [Length] 600μm 2M: 2 meters; 600μm 3M: 3 meters, tolerance is ±20%
- [Core diameter] 600μm, tolerance is ±10%
- [End face type] plane
- [Applicable wavelength] 1470nm
- [Transmission efficiency] ≥90%.
- [Maximum transmission power] 12W
- [Minimum bending working radius] 60mm
- [Sterilization method] ethylene oxide sterilization, the residual amount of ethylene oxide is less than 0.1 mg/piece.
- [Tensile strength] The tensile strength of the joint between the optical fiber transmission body and the connector and the joint between the optical fiber transmission body and the treatment head is not less than 5N.



### Application & Principle

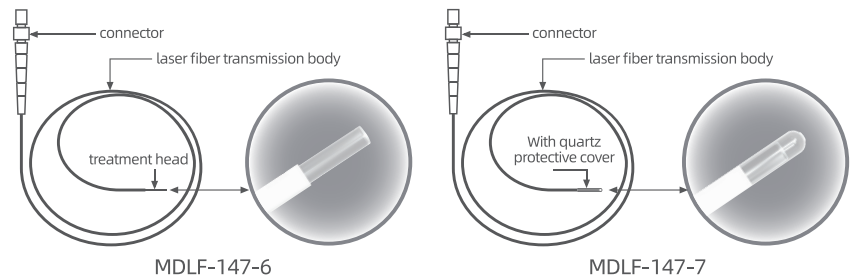
This product is mainly used in vascular surgery. In varicose vein surgery, the effect of heat is used to penetrate the laser catheter into the interior of the varicose vein. The heat in the blood vessel will affect the blood vessel wall. The blood vessel wall will be closed, and the blood will not pass through the varicose veins that have been affected by the laser. This blood vessel will be absorbed by the human body and form dense fibrous strands to achieve the purpose of clinical healing of varicose veins.

### Applicable departments

vascular surgery, general surgery.

### Structure & Composition

The disposable medical laser fiber is composed of three parts: a connector, a fiber transmission body, and a treatment head. The connector interface is SMA905.



## Contrast

### Advantages of wavelength 1470nm

CONTRAST WAVELENGTH	Transmission wavelength	980nm	1470nm
	Burning efficiency	Low	High
Penetration rate	High	Low	
Risk of burning blood vessels	High	Low	

### Advantages of wavelength

The material of this product is imported from Germany. The absorption rate of water and hemoglobin of this product at a wavelength of 1470nm is significantly higher than that of ordinary lasers. The energy directly acts on the blood vessel wall, which can completely and uniformly close the blood vessel.

### Contraindications

Diseases unsuitable for laser surgery and critically ill patients.