

DiodeLaser CT1940 TML1711

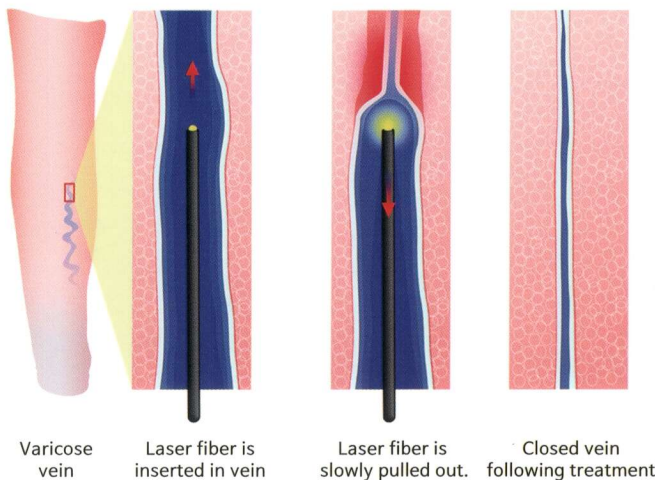


Short Description

This device is used with optical fiber catheter for the laser surgery and generate to transfer laser energy through optical fiber to human tissue.

Fiber optic catheter HTF1491

ENDOVENOUS LASER TREATMENT



EHDO EVLT-Fiber optics catheter treatment with MIS

Varicose vein is often occurred by a backflow blood due to an abnormal venous valve, resulting in higher blood pressure in the vein. The varicose veins were removed by surgical method, but now treat it by laser energy emitted from laser device. The laser energy emitted from laser device is transmitted to abnormal veins through a fiber optic catheter which is thinner than hair. The incision of skin can be minimized by using treatment using a fiber optic catheter and laser energy. It can make a recovery time is short and quick return to daily life.

TML1711 DiodeLaser CT1940

1. Product name(Model No.) : DiodeLaser CT1940(TML1711)



2. Product size

- Size : Height(210mm ± 3%) x Length(350mm ± 5%) x Wide(295mm ± 5%)
- Weight : 7.9Kg ± 0.5(only mainbody)

3. Short Description

- This device is used with optical fiber catheter for the laser surgery and generate to transfer laser energy through optical fiber to human tissue.

4. Specification

▶ Laser wave length	1940nm ± 30nm
▶ Laser Classification	Class IV(IEC60825-1:93 A2:2001)
▶ Laser type and output	Diodelaser, 0~10W(CW)
▶ Guide laser	650nm, RED
▶ User interface	7" TFT LCD with touch panel
▶ Connector type	SMA905
▶ User safety	Foot pedal, lock key, Emergency switch ,Overheat protection Temp. (over 35°C)

5. Electrical specification

- Input voltage range : 100~230VAC
- Input frequency range : 50~60Hz
- Rated power : 324W
- Medical Equipment classes and type : Class I , B type
- IP code : IPX0

6. Available optical fiber

- Connection type : SMA905
- Optical fiber specifications
 - core diameter : >400um
 - NA : 0.37
 - energy transmission ratio : >75%

HTF1491 Fiber optic catheter

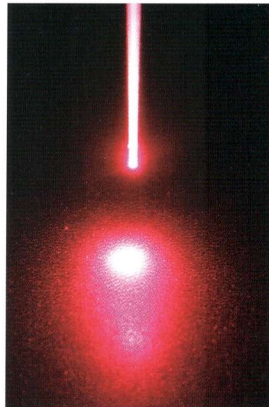
1. Product name(Model No.) : Fiber optic catheter (HTF1491)

Image of finished product

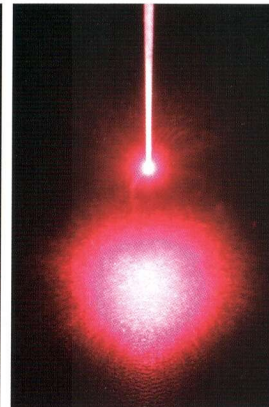


- This product is designed to be connected to SM905 connector.
- It was packed in dual sealing system with Tyvek Pouch(HDPE) and LDPE/Nylon film.

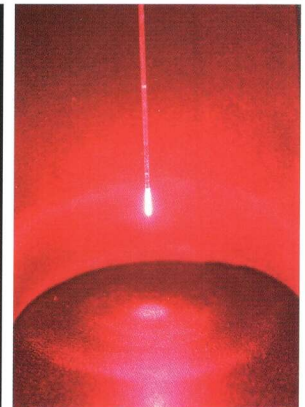
Normal type
(HTF1491)



Ball type
(HTF1491-B, D)



Radial type
(HTF1491-R)



*Ball type (HTF1491-B, D), Radial type (HTF1491-R) :
A Product that improves the effectiveness of laser by additional machining at the end of normal type fiber optic catheter to increase laser emission angle.

2. Use : Treatment of varicose veins

· Varicose vein is often occurred by a backflow blood due to an abnormal venous valve, resulting in higher blood pressure in the vein. The varicose veins were removed by surgical method, but now treat it by laser energy emitted from laser device. The laser energy emitted from laser device is transmitted to abnormal veins through a fiber optic catheter which is thinner than hair. The incision of skin can be minimized by using treatment using a fiber optic catheter and laser energy. It can make a recovery time is short and quick return to daily life.



3. Product size

	Model name	Length	Thickness
Normal type (HTF1491)	HTF1491-6A	1.8m	Core : 600um, OD : 800um
	HTF1491-6B	2.2m	Core : 600um, OD : 800um
	HTF1491-6C	2.8m	Core : 600um, OD : 800um
	HTF1491-4A	2.8m	Core : 400um, OD : 600um
Ball type (HTF1491-B, D)	HTF1491-B6A	1.8m	Core : 600um, OD : 800um
	HTF1491-B6B	2.2m	Core : 600um, OD : 800um
	HTF1491-B6C	2.8m	Core : 600um, OD : 800um
	HTF1491-D6A	2.2m	Core : 600um, OD : 700um
	HTF1491-D6B	2.5m	Core : 600um, OD : 700um
Radial type (HTF1491-R)	HTF1491-R6A	2.2m	Core : 600um, OD : 700um
	HTF1491-R6B	2.5m	Core : 600um, OD : 700um


TML1711
DiodeLaser CT1940
HTF1491
Fiber optic cartheter

◆ **Manufacturer**

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