

## Dentist fiber needle



### Description

Lens coupling is employed in fiber needle. The laser is transmitted into fiber needle by holding jumper, which is used to whiten teeth. Fiber needle is divided into 400 $\mu$ m, 300 $\mu$ m and 200 $\mu$ m fiber needle, whose exposed length is 5mm, 10mm and 20mm respectively. The smaller the fiber core, the greater the laser energy density is to cope with different situations.

### APPLICATIONS

It is used after matching with medical laser therapeutic instrument for the treatment of teeth.

### Feathures

Fiber needle is designed and developed mainly based on customer requirements about design and function. Its main features include: different types of optical fiber are different in stripped fiber length on the fiber sending end. For 400  $\mu$  m fiber needle, the power of sending out fiber reaches over 85%. For 300  $\mu$  m fiber needle, it reaches over 80%. For 200  $\mu$  m fiber needle, it reaches over 50%.

### Specifications

Fiber mode		HWF200/230T	HWF300/330T	HWF400/430T
Stripped	fiber	20mm $\pm$ 1.5mm	6mm $\pm$ 1mm/9mm $\pm$ 2mm	6mm $\pm$ 1mm/9m

length on the end that sends out fiber			m±2mm
The end face	Plane, geometric angle 88-90 °		
A fiber bending angle of	60°±2°		
Disinfection	EO sterilized,-30kpa		