



**福津光电**  
PHOTONSTREAM

Optical fiber micro-processing  
and thin film coating

## Micro-lensed Optical Fiber

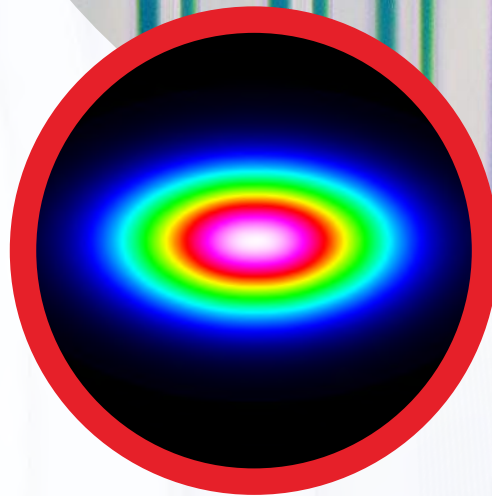
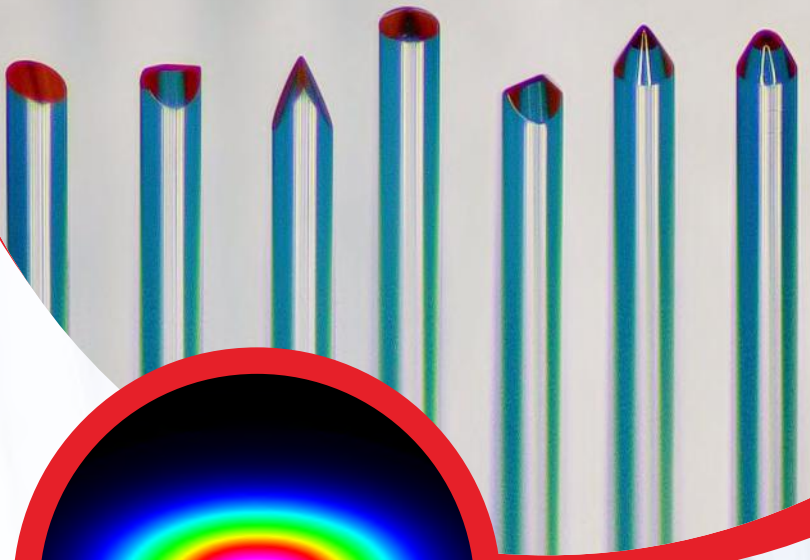
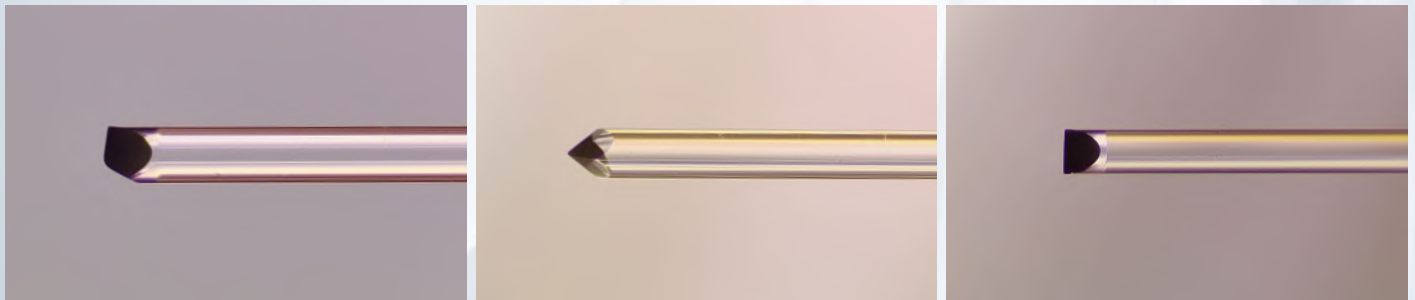
### ▶ INTRODUCTION

PHOTONSTREAM lensed fibers are manufactured by precisely grinding on the fiber tip to create the optimal light input/output for specific applications. An alternative technique has been incorporated to process the fiber tip to form a wedge or screw driver shape, and polishing a cylindrical or spherical lens on the fiber core to focus the beam in near field or expand the light NA in the far field.

### ▶ FEATURES

- ◆ Multiple fiber tip shape design for selection
- ◆ Spherical and cylindrical lens for different emitter coupling
- ◆ Available for different fiber core: SM fiber(80~125um cladding),MM fiber(125~1000um cladding )
- ◆ With output connector and loose tube is acceptable
- ◆ AR coated is required for high power laser

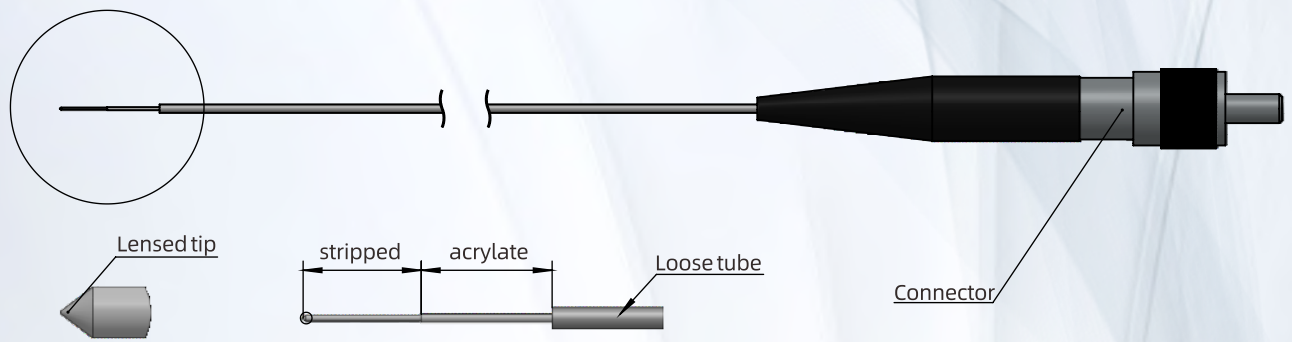
### ▶ PICTURES



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**DRAWING**

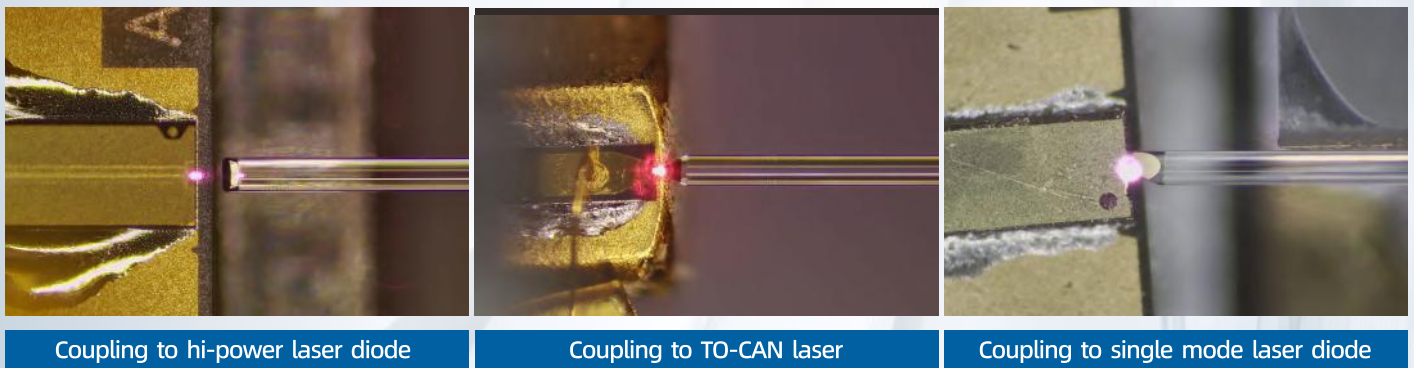


**Note:** The drawing here is only for reference, for real order please provide more detail information.

**LEN SHAPE FOR REFERENCE**

1.Wedge	2.Angle wedge	3.Conical	4.PM fiber mark	5.Biconical
6.Tapered cone	7.Flat	8.Angle	9.Ball	10.Angle ball

**APPLICATION**



Coupling to hi-power laser diode

Coupling to TO-CAN laser

Coupling to single mode laser diode