

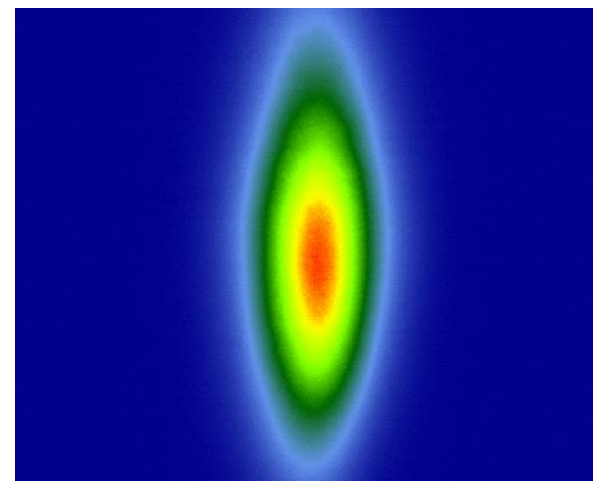
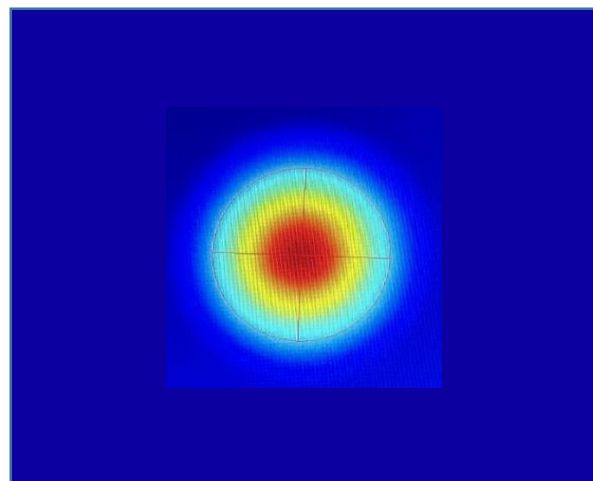
COMCORE TECHNOLOGIES (康阔科技)

Typical Lensed Fibers (典型透镜光纤)

--By cold-working process
(冷加工工艺)

Lensed Fiber (透镜光纤)

Implement high coupling efficiency between lase diode / waveguide and fiber
(改善激光器、波导等与光纤之间的耦合效率)



Far-field pattern before and after lensed
(透镜化前后的光斑远场分布)

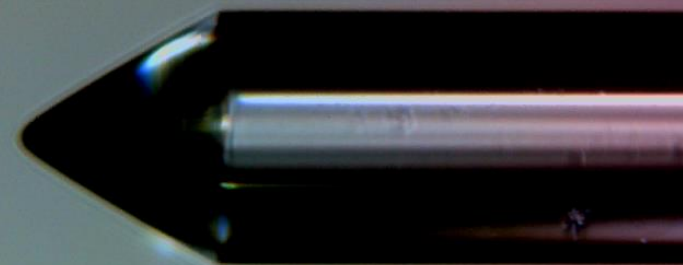
Lensed Fiber (透镜光纤)

Implement high coupling efficiency between lase diode and fiber
(改善激光器与光纤之间的耦合效率)

Before cold forming
(冷加工之前)



After cold forming
(冷加工之后)



Conical Lensed Fiber
(圆锥形透镜光纤)



Lensed Fiber (透镜光纤)

Implement high coupling efficiency between lase diode and fiber
(改善激光器与光纤之间的耦合效率)

Before cold forming
(冷加工之前)



After cold forming
(冷加工之后)

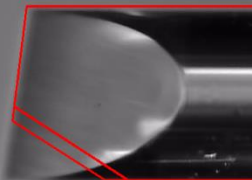


Wedge lensed fiber
(楔形透镜光纤)

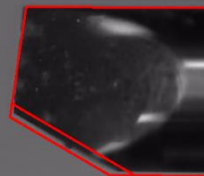
Lensed Fiber (透镜光纤)

Implement high coupling efficiency between lase diode and fiber
(改善激光器与光纤之间的耦合效率)

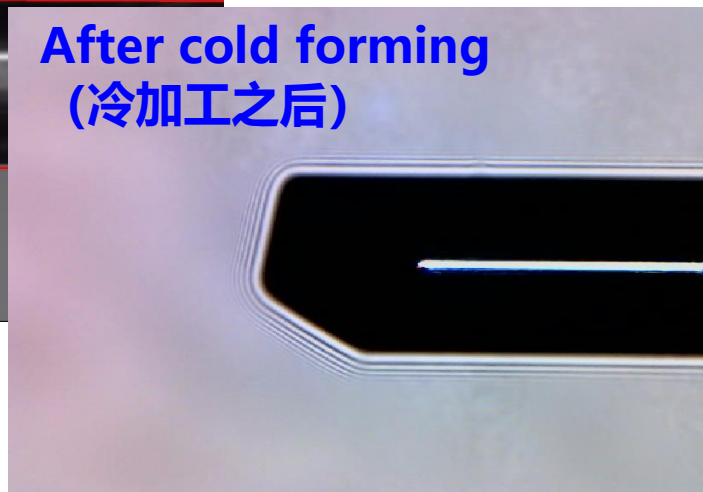
Before cold forming 1
(冷加工步骤1之前)



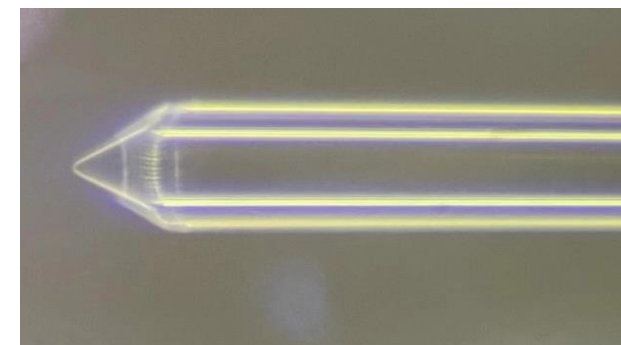
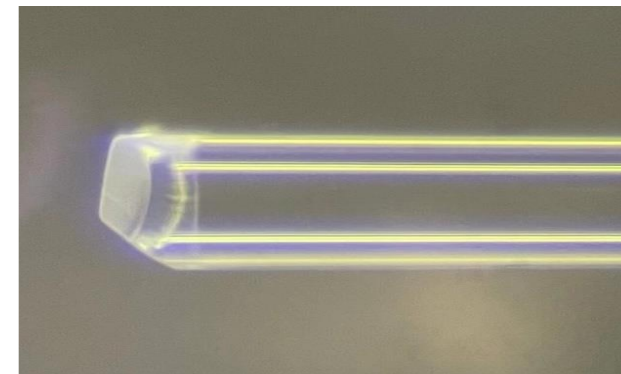
Before cold forming 2
(冷加工步骤2之前)



After cold forming
(冷加工之后)



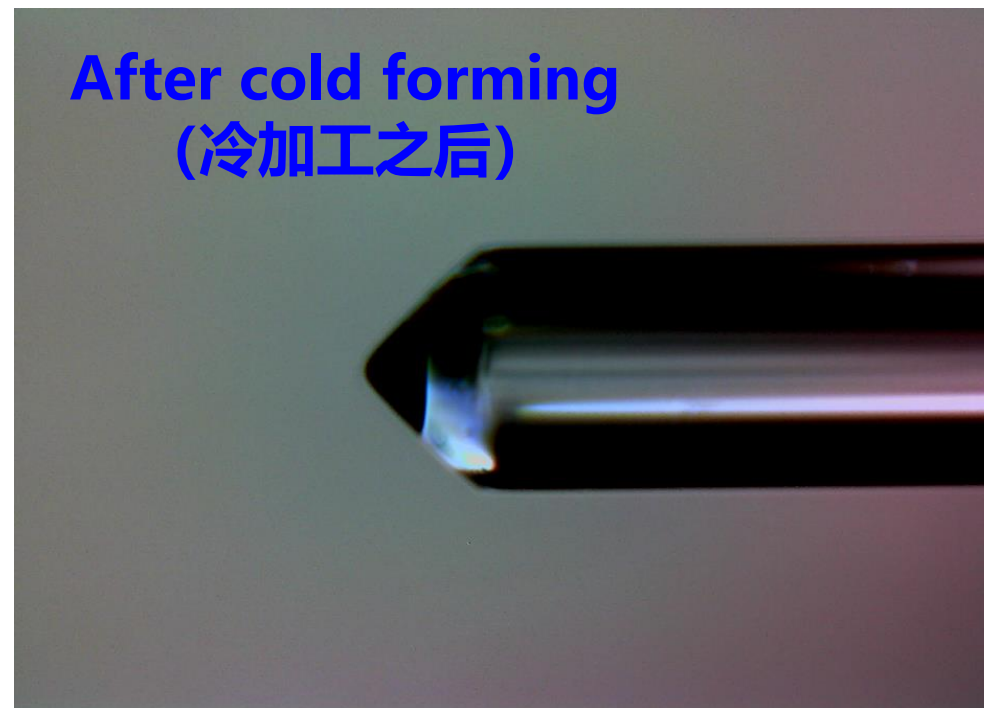
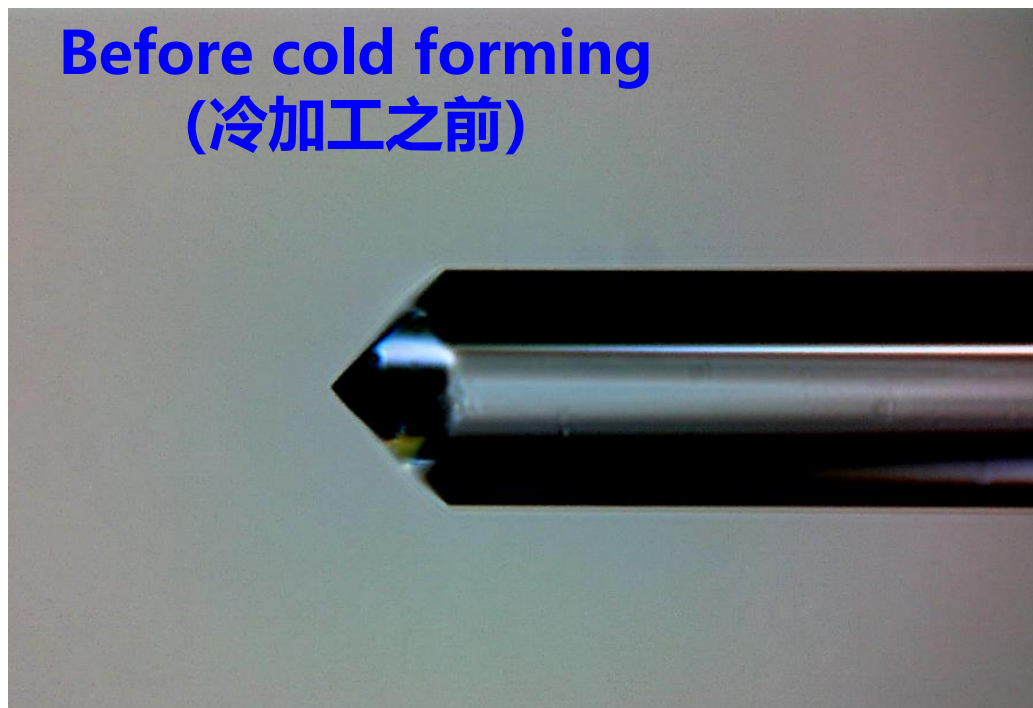
Oblique wedge lensed fiber
(斜楔形透镜光纤)



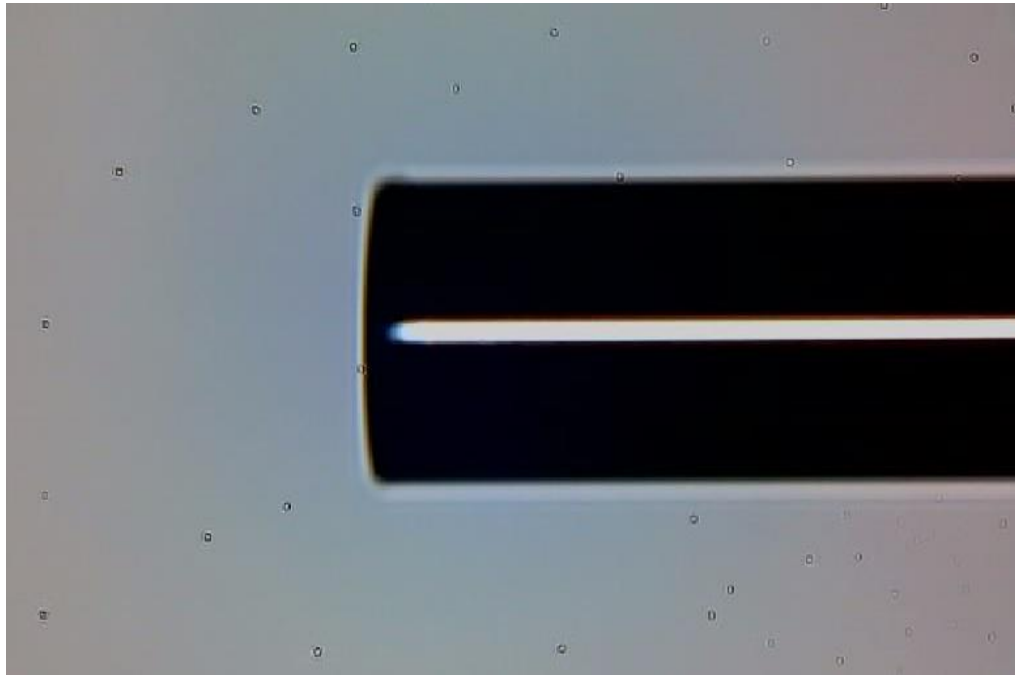


Lensed Fiber (透镜光纤)

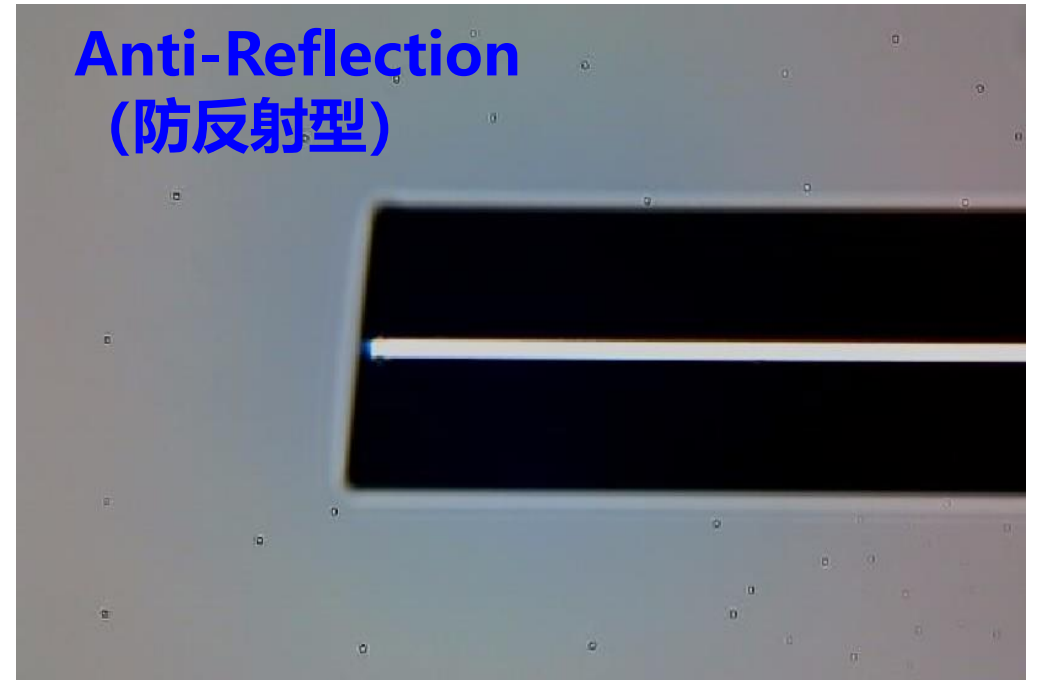
Implement high coupling efficiency between laser diode and fiber
(改善激光器与光纤之间的耦合效率)



Dual-wedge lensed fiber
(双楔形透镜光纤)



Plane end-face
(平面端面)



Oblique end-face
(斜形端面)

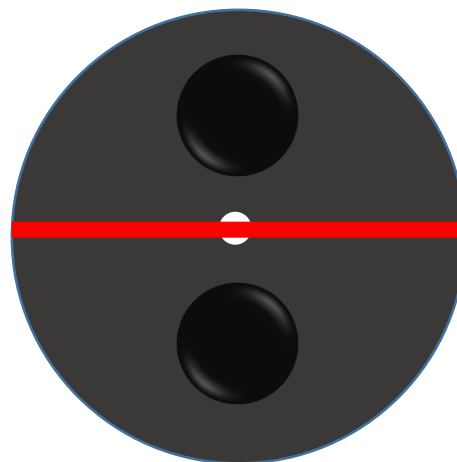
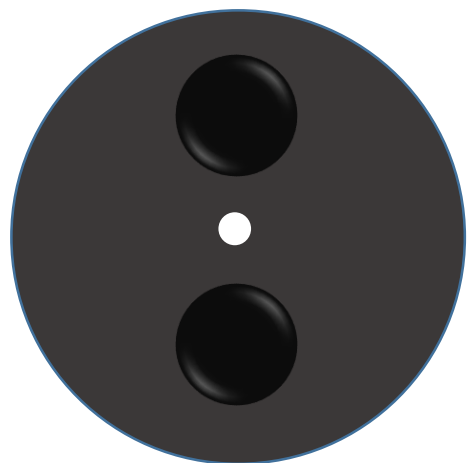
适用光纤类型 (Adopting fiber types)

◆ 任意种类光纤 (Any kinds of optical fibers)

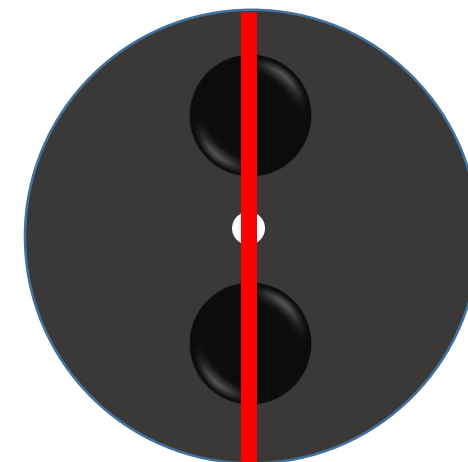
单模、多模、保偏光纤, 包括不同包层直径光纤

(Single mode fibers, Multimode fibers, PM fibers, including different clad diameters)

保偏光纤
(PM Fiber)

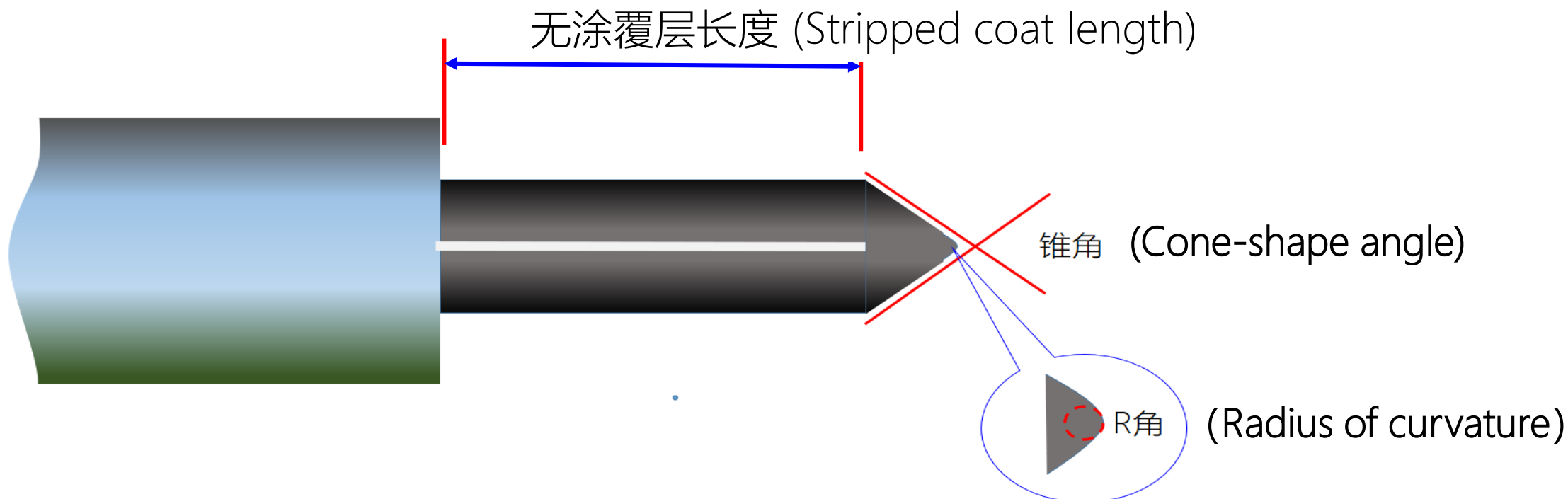


楔型沿快轴方向
(Wedge along to fast axis)



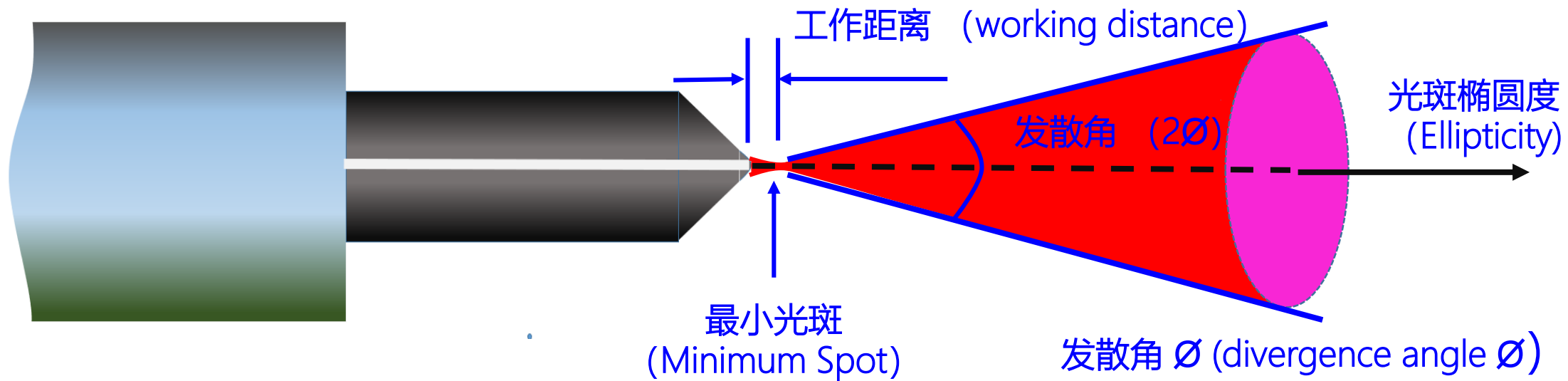
楔型沿慢轴方向
(Wedge along to slow axis)

透镜光纤物理参数及定义 (Definition of Physical Parameters for lensed fiber)



- 无涂覆层长度标准为 (stripped coat length): 5 to 20um to be selected
- 锥角 (Cone-angle) : from 50 to 120 degrees to be selected)
- R角 (radii of curvature): from 5 to 15um to be selected (实际上就是微透镜的曲率半径)

透镜光纤光学参数及定义 (Definition of Optical Parameters for lensed fiber)





Lensed Fiber (透镜光纤)

For more information about these lensed fibers, please

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Or yong.huang@comcore.com

Or call at 13917999108 (wechat)