

Optical Fiber Nano-antenna/Axicon

Introduction

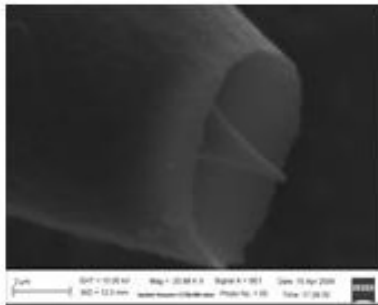
- Fabrication of the state-of-art opticalfiber tip based Nano-antenna and Axicon
- The original nano/micro structures have no competitor worldwide and have unparalleled optics used in advanced photonics research and instrumentation
- Dimensions of the optical structure at the fiber tip can be changed to customize without adding any cost
- Low cost and minimum skill but unparallel structures with significant impact

Application

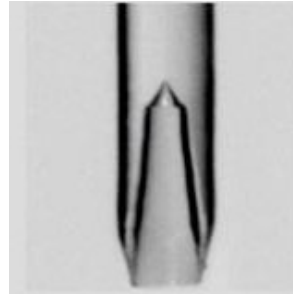
Multipurpose use in instrumentation for interdisciplinary application

<ul style="list-style-type: none">▪ Probing whispering gallery mode▪ Optical spectroscopy▪ Light-matter interaction	<ul style="list-style-type: none">▪ Non-Gaussian beam generation▪ Large depth of focus▪ Optical imaging
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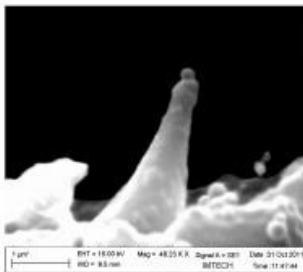
Optical Nano-antenna	Axicon
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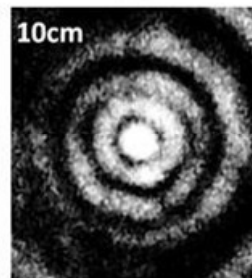
Typical Nano-antenna



Typical Axicon



Antenna tweezed silica sphere as dipole antenna



Bessel beam from Axicon

For further information please contact

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