

The CNT tip structure is comprised of a true carbon nanotube. It is an inherently high aspect ratio tip shape. These tips have been fabricated with a purpose-built taper to the probe structure. The high aspect ratio and high resolution tip allows for much greater data accuracy and are robust enough not to degrade. This combination of high resolution, high aspect ratio, extreme wear durability, high throughput and reliability at an everyday price stands alone in the industry.

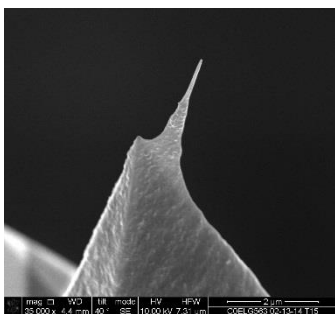
### TIP SPECIFICATIONS

SKU	Shape	Height, nm	Tilt compensation, °	Radius of curvature, nm	Aspect ratio
FN-1	Spike	>200	12	1	20:1
FN-3	Spike	>200	12	3	10:1
FN-5	Spike	>200	12	5	10:1
TN-HAR-5	Spike	>200	12	5	10:1
TN-HAR-10	Spike	>200	12	10	10:1
TN-HAR-20	Spike	>200	12	20	10:1
TN-HAR-L	Spike	>2000	12	25-50	10:1
MET-15	Post	>200	12	15	10:1
MET-20	Post	>200	12	20	10:1
MET-25	Post	>200	12	25	10:1
EFM-1	Spike	>200	12	25-50	10:1

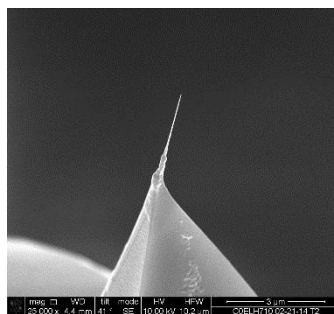
### CANTILEVER SPECIFICATIONS

Cantilever length, ± 10µm	Cantilever width, ± 5µm	Thickness, ± 0.5µm	Resonant frequency, kHz (Nom)	Force constant, N/m (Nom)
225	45	2.5	60	3

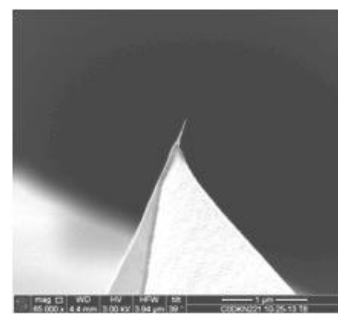
### FN SERIES



FN-1



FN-3



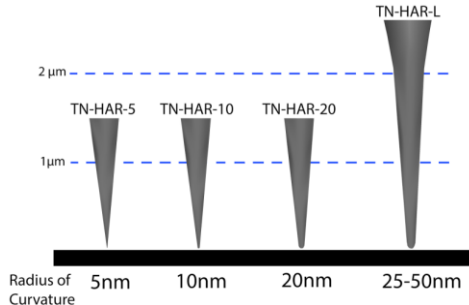
FN-5

The FN series are constructed from many carbon nanotubes (CNT) all fused together and structurally supporting each other. The resulting probe is long and tapered and ends in as few as single nanotube (1nm diameter) at the apex providing both high aspect ratio and high resolution in the same probe.

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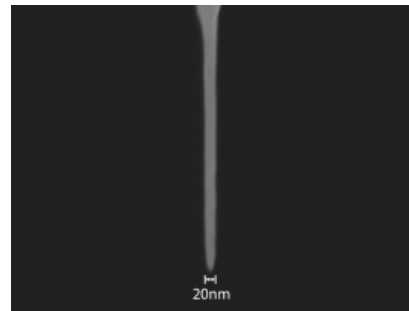
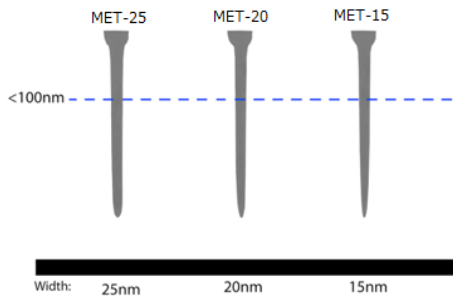
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### TN-HAR SERIES



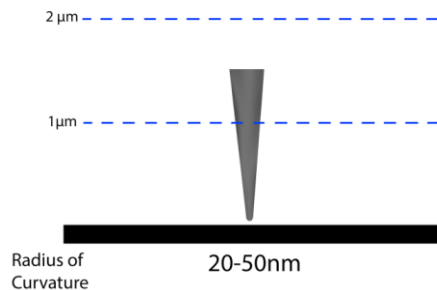
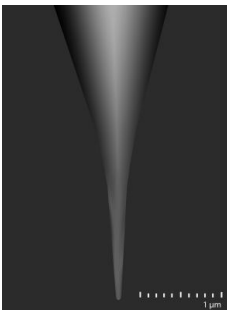
The TN-HAR Series probes are long-lasting, multi-purpose high aspect ratio CNT AFM tips. The CNT tips are conical in shape and are built for general-purpose high aspect ratio measurements.

### MET SERIES



The MET Series probes are our finest CNT tipped AFM probes. The CNT tips are post shaped and are specifically engineered for critical metrology measurements. They are ideal for trenches, high aspect ratio measurements and vertically sided high aspect ratio measurements.

### EFM SERIES



The EFM Series probes are our most robust and durable, high-quality CNT tip. The CNT tip has a conical shape built for taking high aspect ratio and roughness measurements.

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