

# We Are Big on Getting Miniature.

Everything is getting smaller to make things better.

But many engineers face roadblocks and constraints to size down designs — preventing them from further pushing the manufacturability envelope to miniaturize components.

## Nanotech Precision's Laser System Is the Solution to Go Smaller.

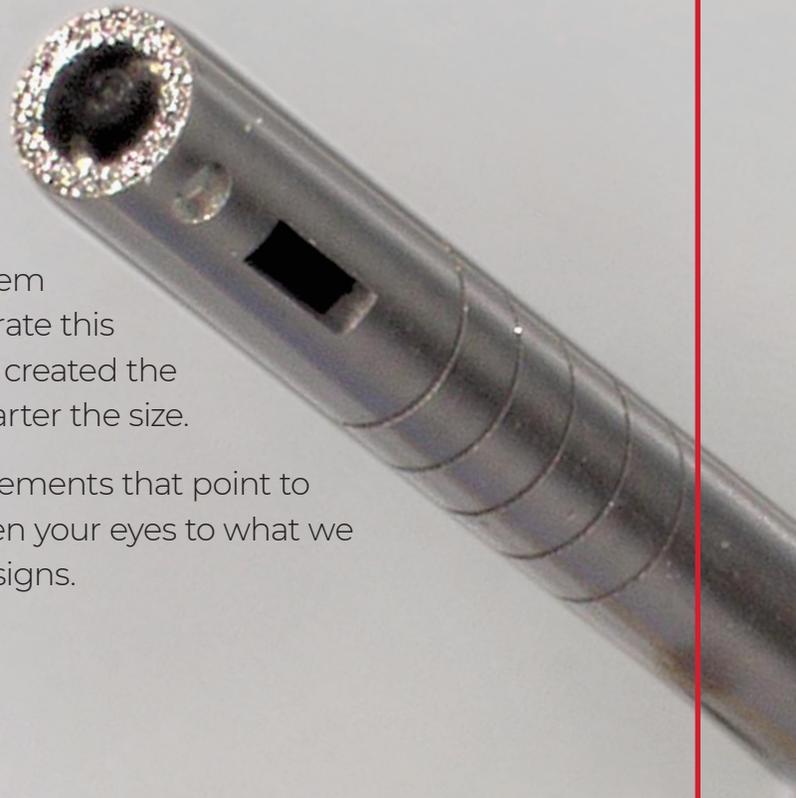
Nanotech has introduced a new laser system to advance micro machining. To demonstrate this system's micro machining capabilities, we created the "Multiplex" — at both net size and one-quarter the size.

The Multiplex features a series of design elements that point to our laser system's precision — and will open your eyes to what we can do to support your miniaturization designs.

## Grow Small with Us.

Nanotech Precision is the trusted leader in innovative micro component manufacturing. We specialize in high-volume production of small and micro-sized components and are dedicated to meticulously machining complex parts that meet only the highest standard of quality.

Learn how we can partner at [nanotechmn.com](http://nanotechmn.com).



**NANOTECH PRECISION**

EXCELLENCE IN MANUFACTURING

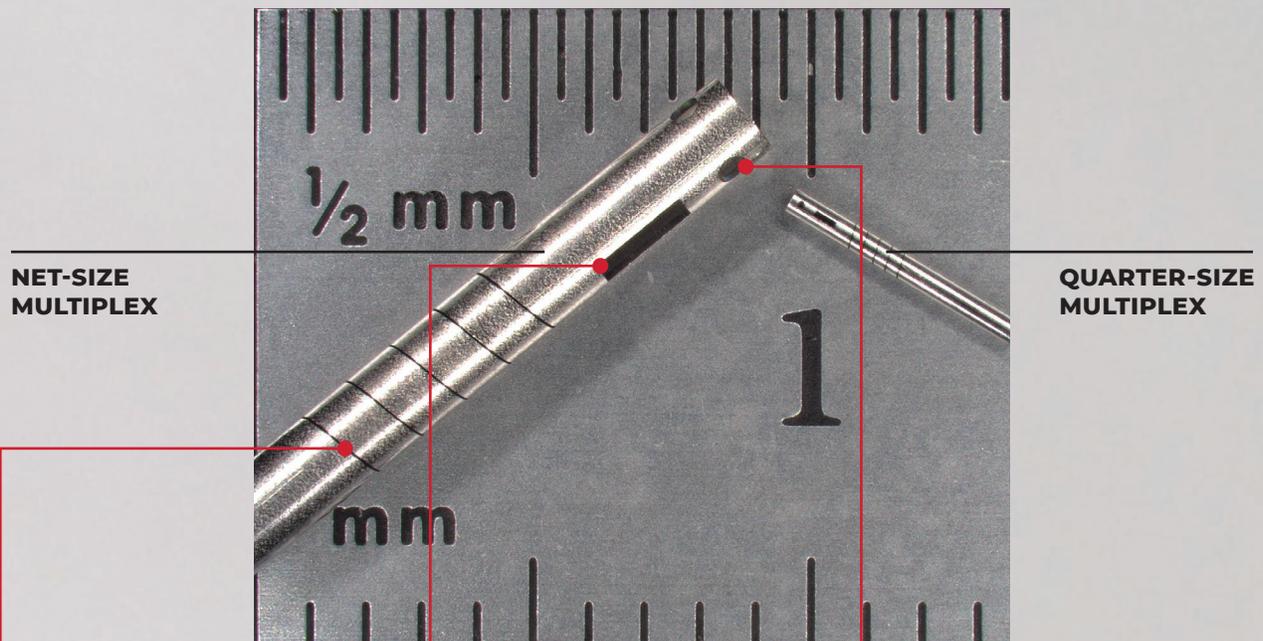
# Multiplex Details

## The Net-Size Multiplex

16.5 gage (.0620 OD, .0520 ID)  
hypodermic tube, 316ss.

## Quarter-Size Multiplex

26 gage (.0180 OD, .0120 ID)  
hypodermic tube, 316ss.



### Spiral Cut

This cut through one wall demonstrates our ability to rotate and advance with accurate control of the beam.

- **Net-Size:** .0400" advance per revolution, .0020" wide cut.
- **Quarter-Size:** .0100" advance per revolution, .0005" wide cut.

### Window Cut

This cut through both walls of the hypo tube presents our ability to cut features through.

- **Net-Size:** .0240" x .0760"
- **Quarter-Size:** .0060" x .0190"

### Tri-Cut Holes

The three holes cut through one wall demonstrates our depth control ability and our precision to cut through one side without damaging the other.

- **Net-Size:** 3x Ø.0240", 120 degrees apart
- **Quarter-Size:** 3x Ø.0060", 120 degrees apart

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