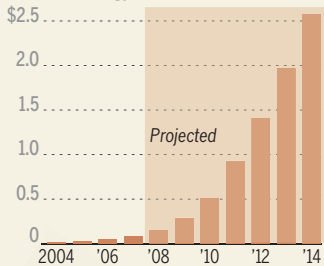


# The Nano Invasion

Nanotechnology is science and engineering at incredibly small scales. When built at these small sizes, materials can take on different properties that benefit materials and production. For instance, a “nanotube” of carbon is 100 times stronger than steel, yet six times lighter.

## Revenue from products incorporating nanotechnology, in trillions

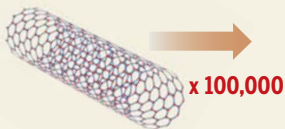


## Among products using nanotechnology:

- Stain-resistant pants
- floor cleaners
- weight-loss shakes
- non-stick bakeware
- cell phones
- sunscreen
- computer processor chips
- tennis rackets
- nutritional supplements
- teddy bears
- refrigerators



## How big is a carbon nanotube?



x 100,000

### Singled-walled carbon nanotube

1 nanometer diameter



x 100,000

### Strand of hair

100 micrometers diameter



### House

10 meters wide

SOURCES: National Nanotechnology Initiative, revenue figures from Lux Research