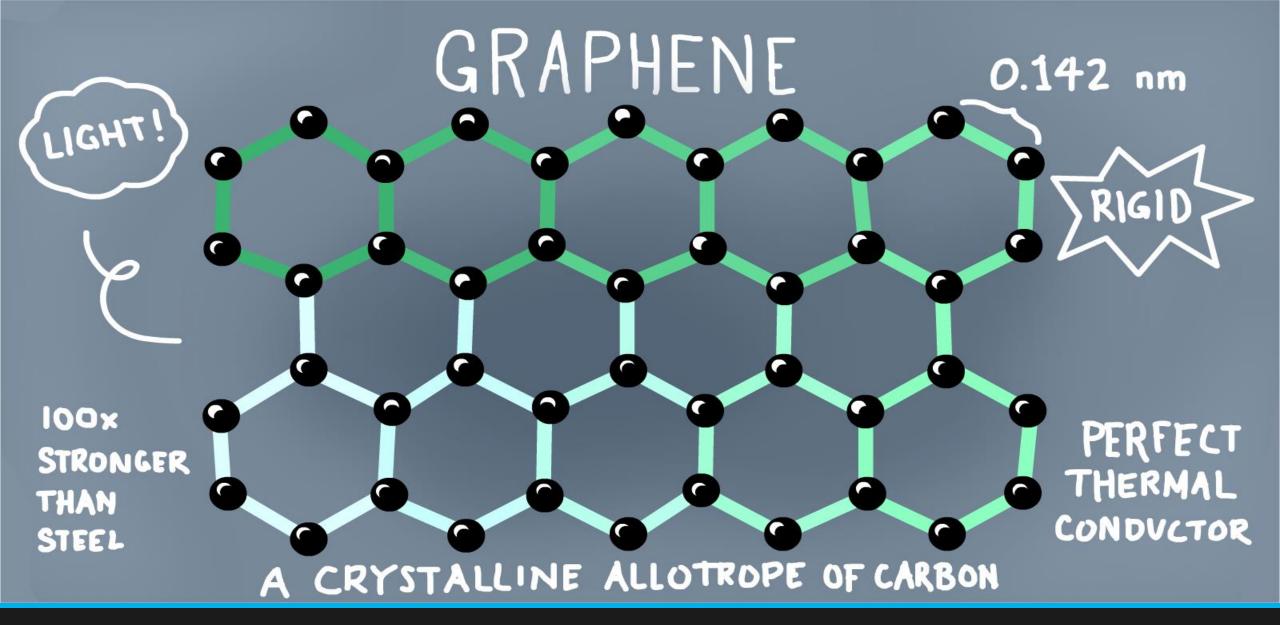


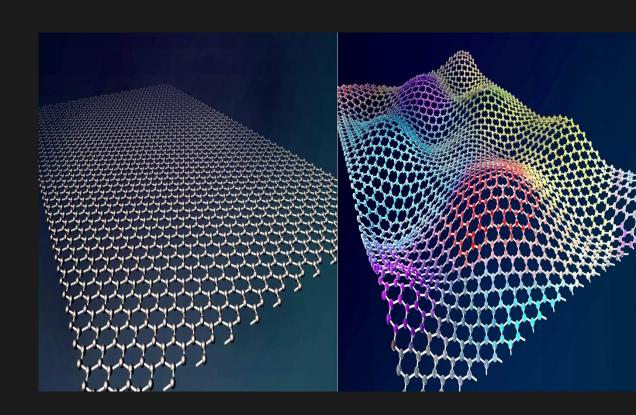
http://www.primaryinfo.com | Primary Information Services | technology sourcing, project info, trade-data



GRAPHENE - TECHNOLOGY SOURCES, KNOW-HOW TRANSFER, APPLICATIONS

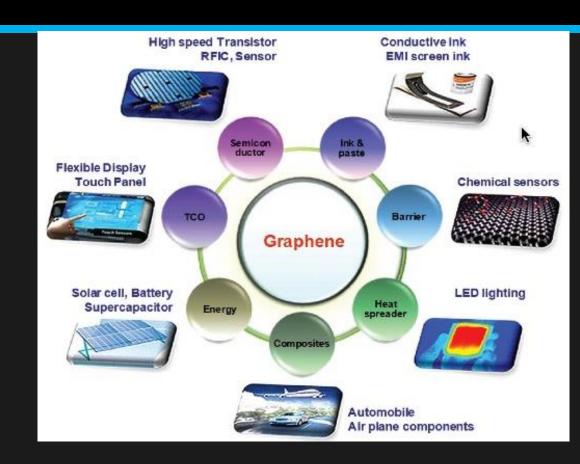
### **Product Overview**

- Graphene is a form of carbon, whose properties can act as a filter between the body and external environment to ensure ideal temperature for the wearer
- Graphene is a multi-million dollar industry and has varied applications from aeronautics to textiles
- Graphene-based products include denim jeans and jackets that can be worn in hot climate.
- One gram of graphene costs ₹3,500 more than the cost of gold.

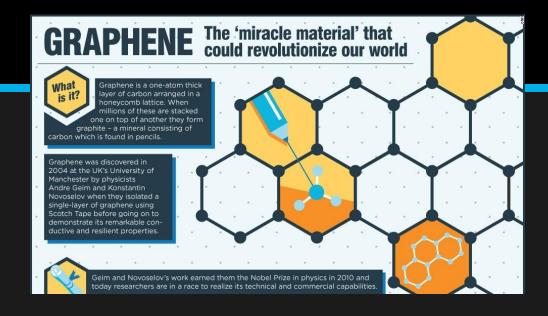


# Technology Sourcing

- Four different techniques have been used to make graphene: Chemical vapor deposition, mechanical peel-of method, Epitaxial growth on electrically insulating surfaces such as SiC and colloidal suspensions.
- Companies including Graphene Square; Graphensic AB; 2D Carbon Graphene Material Co., Ltd.; XG Sciences, Inc.; and Graphene Laboratories, Inc. are investing heavily in research and development related to the product.
- Patents access, Product developments and collaborations and agreements are the key strategies to source the Technologies



### Market Scenario



#### **Applications**

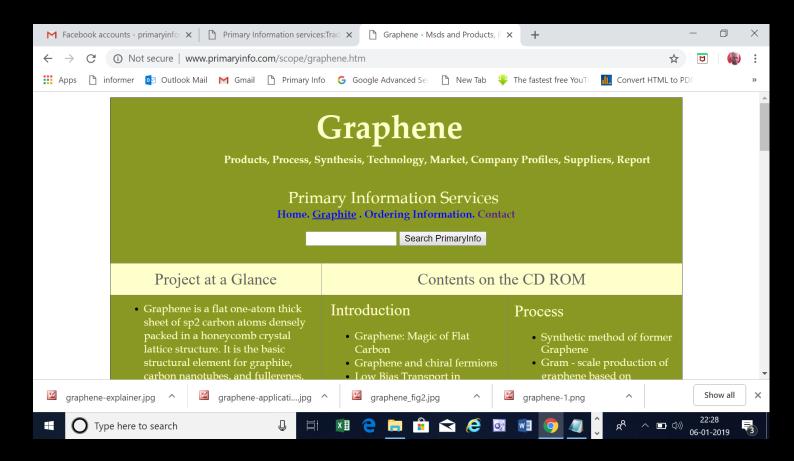
 semiconductors, energy storage and generation devices

#### Graphene Oxide

 application scope in biomedical, solar cells, composites, batteries, supercapacitors, and biosensors

#### Replacement for silicon

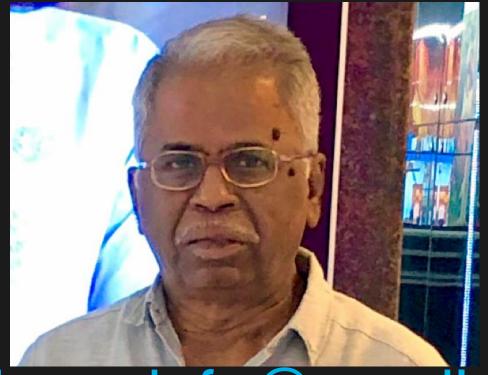
 Batteries, electrodes for touch screens, transparent memory technology, and transistors among other components of electronics industry



http://www.primaryinfo.com/scope/graphene.htm

The above data base has comprehensive details – click and Read!

## Questions?



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