

Graphene 3D Lab

TSX-V: GGG OTCQB: GPHBF



Corporate Overview

Feb 28, 2017

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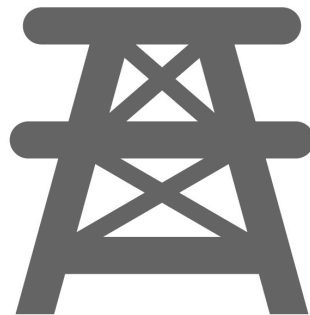
Graphene 3D Lab is an **advanced materials company**. We develop and manufacture graphene enhanced materials with a focus on:



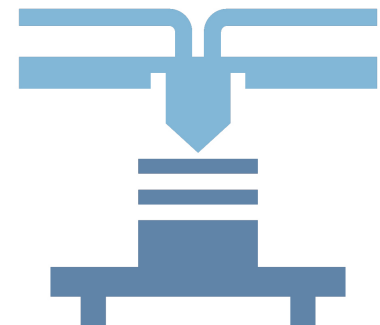
Energy
Storage



Coatings &
Adhesives

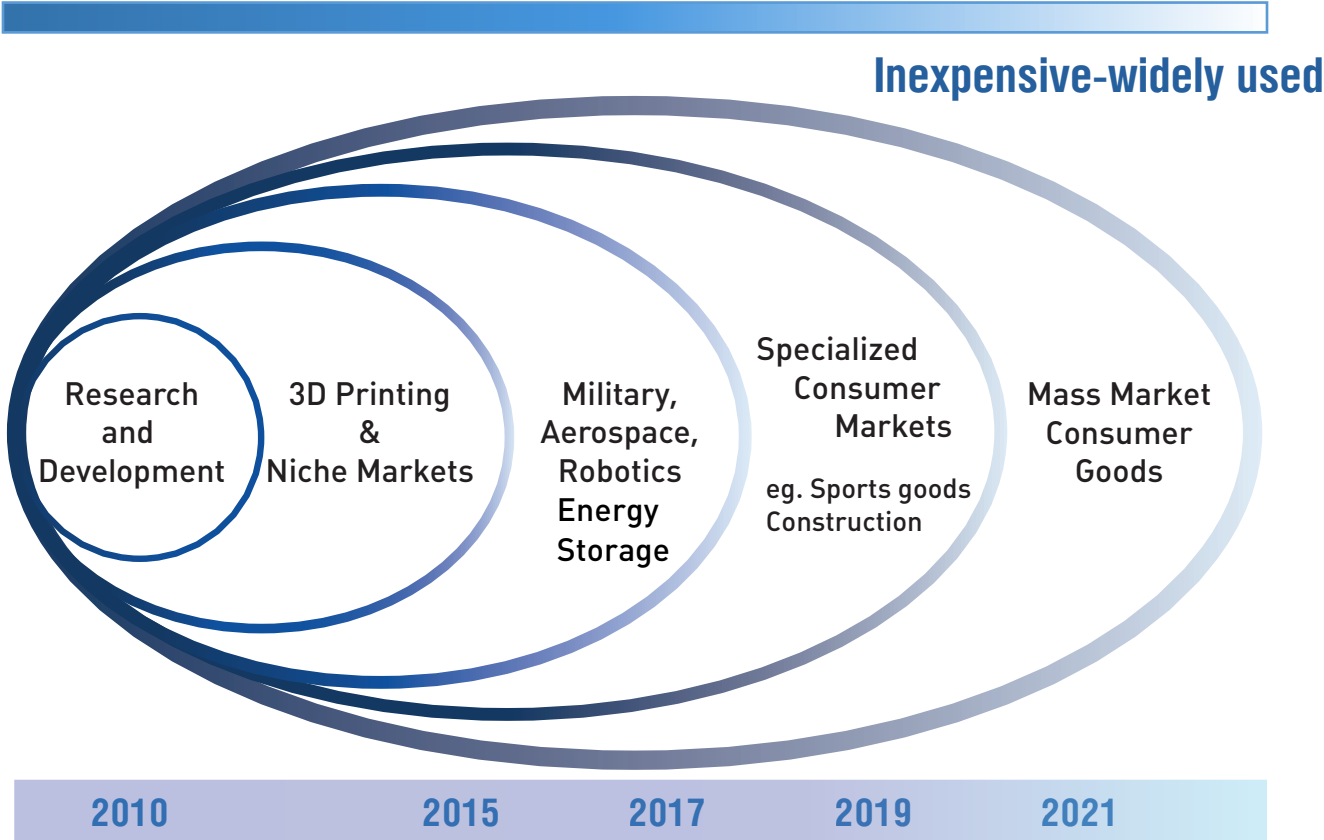


Composites



3D Printing


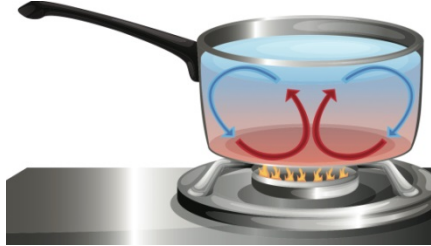


Graphene Price



Why Graphene?

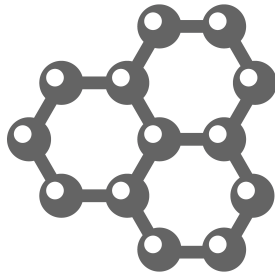
Advantages of Graphene Composites

Graphene can be added to other materials and can make them better.

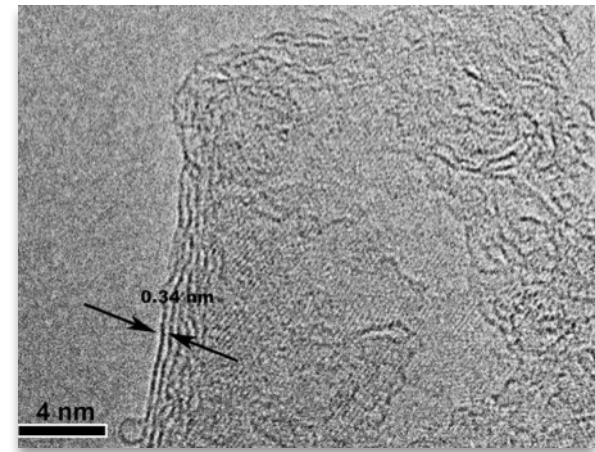
<h3>Electrically Conductive</h3>  <p>x10⁶-10¹²*</p>	<h3>Thermally Conductive</h3>  <p>x 3*</p>
<h3>Mechanically Strong</h3>  <p>x 10-30*</p>	<h3>Green Material</h3>  <p>No metals</p>

***Increase in properties when Graphene incorporated into materials**

Graphene Production



- ⦿ The method of large scale graphene production is currently patent pending.
- ⦿ **Our competitive advantage:** we can produce high end quality graphene with less toxicity and more cost effectively than anyone else in the world.
- ⦿ This “in house” technology enables us to manufacture high quality large-scale graphene flakes that allow us to simultaneously produce multiple graphene materials for our customers.



Transmission Electron Microscope Images of Graphene Flakes

R&D Materials

Highlights

- ⊙ **eCommerce:** Graphene Supermarket® is the world's largest collection of graphene products for online purchase (100+ products)
 - ⊙ Distributed online at Graphene Supermarket® e-platform, www.graphene-supermarket.com
- ⊙ In operation since 2010
- ⊙ Graphene Products include:
 - ⊙ Graphene wafers
 - ⊙ Graphene oxide
 - ⊙ Nanopowders
 - ⊙ Conductive Inks and Sheets
 - ⊙ TEM Grids
 - ⊙ Flexible Graphene Coatings



Coatings & Adhesives



- Established epoxy production capacity
- Released a conductive metal carbon filled epoxy (G6-Epoxy™).
- eCommerce: Distributed under G6-epoxy® brand, www.g6-epoxy.com
- Planning to expand materials portfolio in 2017



G6-EPOXY™

Carbon Filled Conductive Epoxy G6E-P

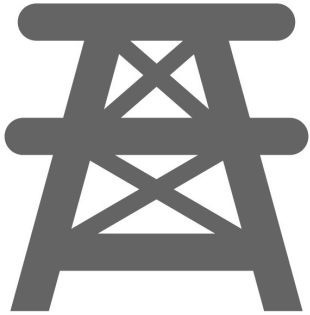
3D Printing



- Expanded our R&D and manufacturing facility
- Successfully released a line of specialty filament products.
- Materials portfolio includes:
 - Conductive
 - Flexible
 - Magnetic
- eCommerce: Distributed under BlackMagic3D® brand, www.blackmagic3d.com



Composites



G6-Impact

Carbon fiber-graphene composite with excellent vibration dampening and shock absorbing properties

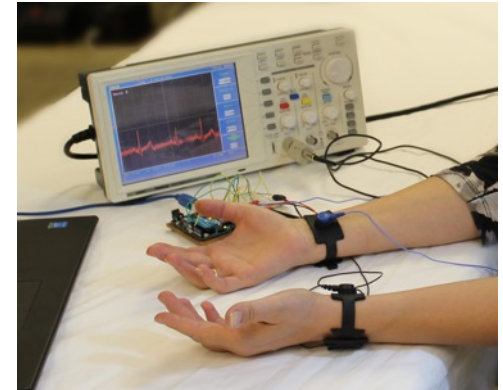
Applications:

Power tools

Automotive

Military

New materials are in the development pipeline



Energy Storage



Our near term goal is to build a Lithium Ion Battery with higher power density than other energy storage devices.

Targeted Technology Highlights

- Advanced chemistry
- Novel electrode design
- Faster charge/ discharge time
- Unique features of our graphene materials are utilized

Collaboration with Stony Brook University

- MOU signed, the University to provide matching funds to cover R&D efforts
- Graphene 3D Lab gets access to the University's state-of-the-art research facility and expertise



Partnership established in Nov 2016

Contact Us

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