

Lomiko's Graphene 3D Lab Files Patent for Multiple Material Printer Filament

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VANCOUVER, BRITISH COLUMBIA and NEW YORK, NEW YORK--(Marketwired - Jan 21, 2014) - [Lomiko Metals Inc.](#) (TSX VENTURE:LMR)(PINKSHEETS:LMRMF)(FRANKFURT:DH8B) (Europe: ISIN: CA54163Q1028, WKN: A0Q9W7) (the "Company") announces [Graphene 3D Lab](#) has reached a significant milestone by filing a provisional patent application for the use of graphene-enhanced material, along with other materials, in 3D Printing (Additive Manufacturing).

"This patent application is the result of a diligent effort on behalf of our team. It opens up a clear path toward the commercialization of graphene," stated Daniel Stolyarov, Graphene 3D Labs' CEO. "It is important that our proprietary technology is accepted by consumers in this market and that we find a method of creating graphene-infused filaments of outstanding quality at a reasonable cost. We rely on high quality graphite from Lomiko's Quatre Milles Property as the base material for producing graphene nanoplatelets, due to their cost and consistency in quality."

"Lomiko will provide graphite to Graphene 3D Lab as the exclusive supplier," stated Paul Gill, CEO of Lomiko Metals. "Novel materials based on graphene open new markets for natural graphite; these new markets are expanding at an extraordinary rate. We are happy to participate in the development of this disruptive technology."

On September 17, 2013, Lomiko and Graphene Labs reported that in the first step of the conversion process of graphite to graphene, natural graphite flakes were oxidized and turned into Graphene Oxide ("GO") by a modified Hummer's method. The properties of graphene, including its high conductivity, mechanical strength, and high specific surface area, make it an ideal electrode material.

3D printing -- or additive manufacturing -- is the process of creating a three-dimensional, solid object from a digital file, of virtually any shape. 3D printing is achieved using an additive process, whereas successive layers of material are laid down and create different shapes.

Adding graphene to polymers which are conventionally used in 3D printing improves the properties of the polymer in many different ways; it improves the polymers mechanical strength as well as its electrical and thermal conductivity. The method described in the provisional patent application allows consumers to use the polymer, infused with graphene, together with conventional polymers in the same printing process, thereby fabricating functional electronic devices using 3D printing.

New developments in 3D printing will allow for the creation of products with different components, such as printed electronic circuits, sensors, or batteries to be manufactured. 3D Printing is a new and promising manufacturing technology that has garnered much interest, growing from uses in prototyping to everyday products. Today, it is a billion dollar industry growing at a brisk pace.

Graphene 3D Laboratories Inc. Background

Graphene 3D Laboratories Inc., a spin-out of Graphene Laboratories Inc, focuses on development of high-performance graphene-enhanced materials for 3D Printing. For more information on Graphene 3D Labs, Inc, visit www.graphene3Dlab.com.

[Lomiko Metals Inc.](#) Background

[Lomiko Metals Inc.](#) is a Canada-based, exploration-stage company. The Company is engaged in the

acquisition, exploration and development of resource properties that contain minerals for the new green economy. Its mineral properties include the Quatre Milles Graphite Property and the Vines Lake property which both have had recent major discoveries.

Daniel Stolyarov, Ph.D. in Physical Chemistry from the University of Southern California, CTO of Graphene Laboratories Inc. and CEO of Graphene 3D Lab, has reviewed and approved the scientific and technical content of this release.

For more information on [Lomiko Metals Inc.](https://www.lomiko.com), review the website at www.lomiko.com.

On Behalf of the Board

A. Paul Gill, Chief Executive Officer

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