MODUMETAL

The next Age of Metals

Modumetal(R) is manufacturing a new class of nanolaminated metals and materials that are stronger, lighter, more corrosion resistant, durable than conventional metals and alloys. Ushering in a new age of metals, Modumetal is revolutionizing the essential building blocks of major industries, and creating new possibilities for transportation, the energy sector, infrastructure and much more.

Just like the Bronze, Iron, Steel and Aluminum Ages of the past, the advent of Modumetal(R) marks a turning point in the history, science and economy of metals.

The Nanolayering Advantage

Modumetals are nanolaminated alloys – think metallic plywood – comprised of layers that are nanometers in thickness. While derived from the same basic raw materials as conventional metals, Modumetal's nanolaminated alloys can be used virtually anywhere conventional metals and alloys are used today, but they provide significant performance improvements over conventional metals, including: superior strength, toughness, corrosion resistance, wear resistance, thermal properties, fatigue performance and much more.

Modumetal's nanolaminated parts perform better against corrosion and at competitive price

Cost Competitive Manufacturing

Modumetal(R) is bringing nanolaminated alloys to the industrial marketplaces through a patented, electrochemical manufacturing process which delivers competitive cost and simplified logistics. The famed metallurgist, Julien Szekely, once noted of such processes: "The potential attraction of such schemes lies in the complete elimination of the conventional ironmaking steel processing sequence". Modumetal(R) has realized this potential.

Industrial-Scale Nanotechnology

Modumetal(R) is a game-changing approach to industrial-scale metal production. The company has successfully brought a lab-scale research material to large scale manufacturing, realizing the ability to leverage the disruptive performance of nanolayered materials in applications from metal coatings to bulk materials to additively manufactured end parts.

Transformative Impact

Modumetal(R) – and its disruptive value to multiple, major industrial sectors – has attracted the attention of Fortune 500 partners and customers across energy, transportation and construction. The company is backed by the Founders Fund and institutional investors, including Chevron, ConocoPhillips, Steel Dynamics and BP.

Modumetal's patented manufacturing uses electricity instead of heat to produce ultra-high performance, nano-layered metals.

"Our patented, nanolaminate manufacturing process can dramatically improve metals performance for industrial applications, at a cost that is competitive with traditional manufacturing methods." **– Christina Lomasney, CEO of Modumetal, Inc.**

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Modumetal(R) External Media Reference Excerpts

Video:

CNBC Interview

Forbes: The Great Rewrite - Chapter 1

Forbes: The Great Rewrite - Chapter 2

Clean Technica Interview

USCC Intellectual Property Profile

Print:

Economist Review of Materials Technology

Modern Metals Magazine Review

Fortune: Grow Metal like a Tree

MIT Review of Modumetal

Awards:

Washington – Manufacturing Innovation Awards - 2016

World Oil Awards – 2015

Fortune Most Promising Entrepreneurs - 2015

Inaugural ACA Luis Villalobos Award for Innovation - 2010

Media photos, illustrations and videos available on request via info@modumetal.com.