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Cornell Center for Materials Research

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# The Cornell Center for Materials Research Announces the Fall 2016 JumpStart Funded Companies

**Ithaca, NY -** The Cornell Center for Materials Research JumpStart program, funded by Empire State Development's Division of Science, Technology and Innovation (NYSTAR), is designed to help New York State small businesses develop and improve their products through university collaborations, with the ultimate goals of revenue growth and job creation. JumpStart projects receive up to $5,000 in matching funds for project costs that include faculty and research staff, facilities, services, supplies, and materials. Since its inception, 75 companies have benefited from this program. During the 2016 Fall semester, three companies have been awarded funding to participate in the following collaborations:

OrthoFit Inc., Ithaca, NY, in collaboration with Professor Huiju Park, Fiber Science and Apparel Design, is developing a comfortable form fitting glove designed to hold sensors that will monitor wrist positions over the duration of the work day allowing the user to identify and correct poor posture.

Rigidized Metals Corporation, Buffalo, NY, in collaboration with Professor Wolfgang Sachse, Mechanical and Aerospace Engineering, is developing of a new ultrasonic test method to inspect welds on surface enhanced tubing.

Vergason Technology Inc., Van Etten, NY, in collaboration with Professor David Muller, Department of Applied and Engineering Physics, is studying the composition and reliability of thin chrome coatings used in the automobile industry.

## About Empire State Development's Division of Science, Technology and Innovation

Empire State Development's Division of Science, Technology and Innovation (NYSTAR) supports collaborative industry/academic partnerships to foster integrated approaches for developing and commercializing innovative technologies. NYSTAR serves as a resource for small and start-up technology companies. www.esd.ny.gov/nystar/

## About the Cornell Center for Materials Research (CCMR)

The Cornell Center for Materials Research is a National Science Foundation and New York State funded interdisciplinary research center at Cornell University whose mission is to advance, explore, and exploit the forefront of the science and engineering of advanced materials. This objective is pursued through fundamental, experimental and theoretical studies. Three other complementary functions complete the CCMR's mission: educational outreach to teachers and students; industrial outreach and knowledge transfer; and the operation of shared instrumentation in support of materials research both on and off campus. www.ccmr.cornell.edu/industry

## About OrthoFit

OrthoFit is developing smart wearable personal monitoring devices with posture monitoring and correction functionality for working professionals. These new monitoring devices are designed to prevent repetitive motion injuries by tracking your habits and alerting you to improper motion or posture. http://orthofit.tech/

## About Rigidized Metals Corporation

Rigidized Metals Corporation, was founded in 1940, providing deep textured metal for industrial applications. Today Rigidized Metals Corporation continues to lead the world in the development and production of deep-textured, three dimensional metals, now used in architectural, industrial, and transportation applications. http://www.rigidized.com/

## About Vergason Technology

Vergason Technology Inc. (VTI) is a leader in vacuum coating. Through a process known as PVD, or physical vapor deposition, thin film metal coatings are applied to plastic, glass, or metal substrates used in a wide variety of industrial/commercial applications including performance coatings for wear components such as drill bits and cutting tools; reflective and decorative coatings for plastic substrates such as automotive headlamps, tail lamps and trim components; white goods/appliance trim components; EMI/RFI performance coatings for conductive and shielding of electronics, and much more. http://vergason.com/