

News Release

Your Contact

Meagan Kane +1 484-652-5722

September 07, 2018

New Application Labs in Philadelphia Enable Close Collaboration

Philadelphia, Pennsylvania, August 1, 2018 - EMD Performance Materials Corp., a leading science and technology company, officially opened its new Surface Solutions laboratories in Philadelphia's Navy Yard. The laboratories' broad range of capabilities underline EMD Performance Materials' role as a leading solutions provider and best-in-class partner. The company's global applications network produces prototypes and characterizes surfaces containing effect pigments and additives for automotive and other coatings, as well as cosmetic, industrial and functional applications.

"This substantial investment further solidifies our unyielding commitment to our customers and the segments we serve," said Luiz Vieira, President and Managing Director of EMD Performance Materials. "Our new application labs in Philadelphia will enable even closer collaboration with our customers and provide the ideal environment to further develop tailor-made solutions to achieve our customers' desired outcome," he continued.

The labs' state-of-the-art equipment provides the optimal working space for the development of unique applications in the automotive sector and other industries. New electrostatic coating capabilities, for example, directly support OEM paint manufactures allowing for the reproduction of Coatings Industry production line manufacturing processes. In addition to that, a dedicated "clean" spray booth for coating parts in pristine environments allows the production of finished coated parts with enhanced surface protection features. The company's polysilazane product range such as Durazane® enhances surfaces with scratch protection, corrosion resistance, or high temperature durability.

Page 1 of 3



Another focus are cosmetic applications. The labs are equipped to develop trendsetting and impactful formulations, creating outstanding looks and intensive care for lips, eyes, face, nails, and hair. Testing capabilities, such as in vitro Sunscreen Protection Factor (SPF) testing according to FDA and ISO methods, help customers accelerate their product development cycles and facilitate the creation of novel formulations and products.

And there's more to explore. Added capabilities in support of the Thermaval® line of products enable EMD Performance Materials to work with high temperature and ceramic applications, extending the range of products that can incorporate effect pigments. Moreover, food applications can now also be explored: the labs have been upgraded to create eye-catching, unique effects on confectionary and other food products such as chewing gums, nutritional supplements, and drinks.

To leverage the lab's full potential, EMD Performance Materials provides hands-on trainings for customers and offers an environment for collaboration in a broad variety of applications. For more information, please visit www.emdgroup.com.

All Merck KGaA, Darmstadt, Germany, press releases are distributed by e-mail at the same time they become available on the EMD Group Website. In case you are a resident of the USA or Canada please go to www.emdgroup.com/subscribe to register for your online subscription of this service as our geo-targeting requires new links in the email. You may later change your selection or discontinue this service.

About EMD Performance Materials

EMD Performance Materials is the North America high-tech materials business of Merck KGaA, Darmstadt, Germany, comprising a portfolio of applications in fields such as consumer electronics, semiconductors, lighting, coatings, printing technology, plastics, and cosmetics. Key products include display materials, LED materials for lighting as well as OLED materials for lighting and displays, functional materials for solar panels and energy solutions, effect pigments as well as active ingredients and fillers for cosmetics, food products, effect pigments and functional materials for coatings, printing and plastics and high-purity specialty chemical materials for the electronics and semiconductor industry. Today, the business has about 500 employees around the country with main operations in Philadelphia (PA). For more information, please visit www.emd-pm.com.

About Merck KGaA, Darmstadt, Germany

Merck KGaA, Darmstadt, Germany, is a leading science and technology company in healthcare, life science and performance materials. Almost 53,000 employees work to further develop technologies that improve and enhance life – from biopharmaceutical therapies to treat cancer or multiple sclerosis, cutting-edge systems for scientific research and production, to liquid crystals for smartphones and LCD televisions. In 2017, Merck KGaA, Darmstadt, Germany, generated sales of € 15.3 billion in 66 countries. Founded in 1668, Merck KGaA, Darmstadt, Germany, is the world's oldest pharmaceutical and chemical company. The founding family remains the majority owner of the publicly listed corporate group. Merck KGaA, Darmstadt, Germany, holds the global rights to the „Merck“ name and brand. The only exceptions are the United States and Canada, where the company operates as EMD Serono, MilliporeSigma and EMD Performance Materials.