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NEI Corporation Introduces Prototyping Service for Electrospinning of Fibers

Somerset, New Jersey – NEI Corporation announced today a new service for producing nanoscale and microscale fibers through electrospinning. NEI is offering its knowledge and expertise in helping to transition concepts into working prototypes. **Electrospinning** is a technique to form fibers by the use of a voltage potential between a solution of the material and a grounded collector. The process elongates the fiber as it is formed, yielding fiber diameters typically in the range of 50 to 500 nm. The electrospinning equipment at NEI allows for large areas of fiber mats, upwards of one square foot. Combined with a variety of characterization and testing equipment already available in-house, this can accelerate development of the customer's technology into commercial materials.

In many instances, nanoscale materials have fundamentally different characteristics than conventional macroscale materials. Electrospinning offers a commercially viable method for rapid prototyping of fibrous materials. NEI's capabilities in electrospinning include the ability to fabricate an assortment of different fiber materials, such as polymeric, ceramic, or metallic. Additionally, as part of expanding the scope of recent advances in electrospinning, NEI can create tailored core-sheath fibers for production of composite fibers.

NEI can also assist the customer in identifying the special attributes of electrospun fibers and how to benefit from them. NEI has worked with other companies to elevate the technology readiness levels of new technologies and can provide direction in advancing fiber production as per the needs of the application. Characterization and tests can be carried out under applicable industry standards, such as American Society for Testing and Materials (ASTM).

Given NEI's vast experience in nanotechnology and materials synthesis, its electrospinning service enables the company to share its knowledge with customers through fabrication, testing, and analysis of its customer's technologies with NEI's state of the art equipment.

For more information on NEI's electrospinning service, view the [brochure](#).

About NEI Corporation:

Founded in 1997, NEI Corporation develops, manufactures, and distributes nanoscale materials for a broad range of industrial customers around the world. NEI's products incorporate proprietary nanotechnology and advanced materials science to create significant performance improvements in manufactured goods. NEI's products include advanced protective coatings, high performance battery electrode materials, and specialty nanoscale materials for diverse applications. NEI has created a strong foundation in the emerging field of nanotechnology that has enabled the company to become a leader in selected markets.

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