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FOR IMMEDIATE RELEASE

Harper Awarded Contract for Complete Research Scale Carbon Fiber Processing Line in South America

Buffalo, NY – Harper International, world leader in thermal processing solutions for advanced materials, has finalized a contract with a client in Brazil for a research scale carbon fiber processing line. The line will include Harper's renowned oxidation ovens, LT and HT furnaces, as well as a state-of-the-art HMI supervisory control interface, material handling and material treatment systems including creels, winders, tensions stand, electrolysis, washing and drying, and waste gas abatement systems.

The fully integrated and extensively outfitted microline has capacity to process continuous tows of carbon fiber with high precision and outstanding data collection capabilities. The system will be used largely for investigation into use of carbon fiber, as well as to expand the local knowledge base and proficiency at the university level. Harper's client is leading the first step forward in the Brazilian market to develop a carbon fiber industry and technology expertise.

The client "chose Harper to develop its line because of their well known reputation and advanced technology, evidenced in their many previous research scale projects, as well as their larger production installations", commented the Chief Executive Officer for the client.

Harper is an expert in fully integrated carbon fiber process lines, from microline scale systems focused on universities and research institutions, up to high volume production scales at greater than 4 meters wide capable of producing several thousand tons per year. The 3 meter wide full line design, pioneered by Harper and focused on linking process steps to ensure the most efficient performance in a seamless and fluid plant operation, is leading the industry in utilization for new capacity expansion.

About Harper International

Harper International is a global leader in complete thermal processing solutions, as well as technical services essential for the production of advanced materials. From concept to commercialization, from research scale to full production line operations, Harper is perpetually on the cutting edge. For decades, we have pioneered some of the world's most innovative, customized systems, with a focus on processing materials at high temperature and in non-ambient atmospheres. For additional information about Harper, please visit harperintl.com or email us at info@harperintl.com.

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