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## FOR IMMEDIATE RELEASE

## Harper Furnace Installed for Direct Air Capture

Buffalo, NY – A custom engineered, 24-inch rotary tube furnace built by Harper International for Heirloom Carbon Technologies (San Francisco, CA) is enabling America's first commercial Direct Air Capture (DAC) facility in California's Central Valley. Heirloom's DAC facility uses calcium carbonate to remove already-emitted CO2 from the atmosphere. The furnace uses indirect, electric heating to remove CO2 captured by the calcium carbonate so it can be permanently stored, never to return to the atmosphere. The furnace is rated to a temperature of 950C and has an annual capacity of 1,000 metric tons per year.

"We are delighted to see Harper's technology deployed in support of climate initiatives. The design is derived from Harper's significant experience in providing electrically heated, rotary furnaces to a wide array of advanced materials industries, and it has been custom-engineered to provide Heirloom engineers with a flexible platform for optimizing their process as they scale up to higher capacities." Says Harper Vice President, Paul Elwell.

"Harper has an excellent reputation in thermal processing system development and manufacturing. This collaboration matched Harper's development expertise with Heirloom's need to implement a solution that is specific to our process needs and operational environment. Together we look to learn much from this initial installation as Heirloom continues to scale our technology." Says Shashank Samala, Co-founder and CEO at Heirloom.

## About Harper International

Harper International is a global leader in complete thermal processing solutions and technical services for the production of advanced materials. From concept to commercialization, from research scale to full production line operations, Harper delivers the most innovative furnace and oven designs in the world. For decades, they have pioneered thermal processing technology innovations with a focus on systems operating from 500 to 3000°C and in non-ambient atmospheres. For additional information, please visit <u>www.harperintl.com</u> or email <u>info@harperintl.com</u>.

## About Heirloom

Heirloom builds low-cost Direct Air Capture technology that will permanently remove CO2 at a billion-ton scale. Heirloom's technology rapidly accelerates the natural processes that enable limestone to absorb CO2 from the air from a timespan of years to days. Heirloom operates America's first and only commercial Direct Air Capture facility, and it customers are the world's biggest buyers of carbon removal including Microsoft, Stripe, Klama, Shopify and more. Heirloom is funded by Bill Gates' Breakthrough Energy Ventures, Carbon Direct Capital Management, Ahren Innovation Capital, Prelude Capital, Lowercarbon Capital, Microsoft's Climate Innovation Fund and others. See www.heirloomcarbon.com for more information.