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Leading Chinese Solar Cell Manufacturer Orders RASIRC Steamers
Steamers to be used for passivation and other processes

San Diego, Calif. – September 1, 2010 – [RASIRC®](#), the steam purification company, announced the sale of multiple RASIRC Steamers to a leading solar cell manufacturer in China. The manufacturer plans to improve overall process efficiency by using Steamer-generated ultrapure water vapor for passivation and other processes. The [RASIRC Steamer](#) is the only technology to generate 100% purified steam from de-ionized (DI) water. It offers improved efficiency and growth rate to industries, including [photovoltaics](#) and [semiconductors](#), where thermal oxide films are an essential feature. RASIRC designs and manufactures products for controlled humidification and ultrapure steam generation for critical manufacturing processes.

"This is one of several installations for RASIRC products into China, which demonstrates the transition of our technology from R&D into volume manufacturing of photovoltaics," said RASIRC founder and president Jeffrey Spiegelman. "Our methods of delivering pure water vapor improve results, lower operating costs, and eliminate the need for hydrogen."

Thermal silicon oxides are known to effectively passivate silicon surfaces and have been used for the fabrication of highly efficient silicon solar cells. Generally, the steam used for wet oxidation is produced by combustion of hydrogen and oxygen gases. The RASIRC Steamer uses a new approach for direct steam delivery that purifies vaporized de-ionized water. This process decreases costs for expendables, eliminates hydrogen gas from the facility thereby improving safety, and allows for delivery of 100% saturated steam into the process, maximizing the growth rate of the oxidation layer.

More details about RASIRC's technology and performance are published in white papers available at www.rasirc.com, including two presented at the IEEE Photovoltaic Conference, Hawaii: [Water Vapor Delivery for CIGSe and Other Thin Film Vacuum Processes](#) and [Purified Steam for Industrial Thermal Oxidation Processes](#). Visit RASIRC at PVSEC Stand L3/H4/D11, September 6-9, Valencia, Spain.

About RASIRC

RASIRC products purify and deliver ultra-pure liquids and gases. RASIRC technology is the first to generate ultra-high-purity (UHP) steam from de-ionized water. It reduces cost, increases yield, and improves safety. RASIRC dryers, **humidifiers**, and **steam generators** are of critical importance for many applications in the semiconductor, pharmaceutical, medical, biological, fuel cell, and power industries. Custom systems are available upon request. Call +1-858-259-1220, e-mail info@rasirc.com, or visit www.rasirc.com.

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