

Heat Energy Tech Powers Green Growth

The company aims to provide unparalleled heat treatment solutions in pursuit of carbon neutrality. *By Daniel de Bomford and Arthur Menkes*



"Our products represent the highest quality available to customers, especially those manufactured in Japan"

Yoichi Murata, President, Heat Energy Tech Co., Ltd.

Industries worldwide are undergoing a significant transformation to reduce carbon emissions. Heat treatment plays a crucial role across many sectors, particularly in manufacturing, and Heat Energy Tech is leading the way with environmentally sustainable innovations.

According to President Yoichi Murata, the company's technologies rest on two main pillars. The first is high-temperature systems, operating above 500°C, mainly

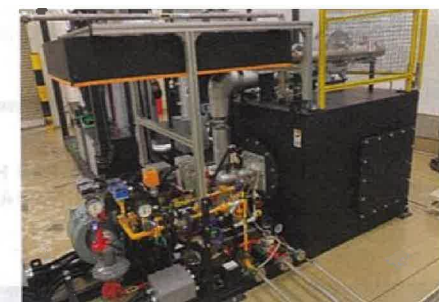
used in the automotive industry. The second is low-temperature heat treatment equipment, operating at around 200°C, which serves industries such as coatings, paints, food and pharmaceuticals. Heat Energy Tech's strength lies in its ability to design and manufacture equipment that operates over a wide range of temperatures.

The company has proactively advanced its decarbonization technologies, including the development of hydrogen co-firing burners. This system significantly reduces CO2 emissions by combining traditional energy sources with hydrogen. Additionally, the company is enhancing its heat cascade technology, a system that reuses waste heat in stages within the same unit, delivering high efficiency and substantial energy savings.



Katsura Group's new factory in Vietnam

Through these systems, Heat Energy Tech is accelerating its proposals for energy



Hydrogen co-firing burner conservation and carbon neutrality to all users of thermal energy.

The company is also actively expanding its manufacturing operations in the ASEAN region. In addition to its Chinese factories, it is promoting manufacturing with a view to global expansion at its newly established factory in Vietnam. Murata emphasizes, "Our products are unmatched in quality, and that same high standard is upheld at our overseas facilities."

"We see this era of change as an opportunity," Murata concludes. "By evolving and adapting our technologies for new applications, we aim to build a truly sustainable growth model."



<https://heatenergytech.co.jp>

