



Ultratech receives expansion order from Asian foundry for Laser Spike annealing system

Ultratech, a leading supplier of lithography, laser-processing and inspection systems used to manufacture semiconductor devices and high-brightness LEDs (HB-LEDs), as well as atomic layer deposition (ALD) systems, has announced an expansion order from a foundry in Asia to add capacity for 28-nm production. The Ultratech LSA101 laser spike anneal system was chosen with the dual-beam option, which provides flexibility for annealing at low substrate temperatures. The LSA101 is designed for advanced applications, such as gate stack formation, silicide or post-silicide anneal. Ultratech plans to ship the LSA101 tool to the customer's foundry in Asia in the fourth quarter of 2016. "This follow-on order reinforces the growing opportunities that we are experiencing from Asian foundries for our LSA101 systems," said Scott Zafitropoulo, General Manager of LSA and Senior Vice President of Marketing at Ultratech. "The low cost of 28-nm planar technology continues to drive the growth and capacity expansion for foundries in Asia looking to take advantage of the optimal performance-to-cost ratio at this node. While this order is to expand capacity for the 28-nm node, our long-time relationship with this valued customer began with their use of Ultratech's LSA systems at the 40- and 45-nm nodes. Today, we continue to provide Ultratech's advanced LSA technology for their 14-nm production, and we look forward to supporting their efforts at the 10-nm and below nodes." Ultratech LSA101 Dual-Beam Laser Spike Anneal System

Built on the customizable Unity Platform™, LSA101 with the dual-beam option expands the process space by adding a second low-power laser beam that adds process flexibility and enables millisecond annealing with a low substrate temperature. Inserting a millisecond anneal step post-junction formation, such as gate stack formation, silicide or post-silicide anneal, has been shown to improve leakage and device reliability, while reducing contact resistance and improving both performance and yield. The LSA101 delivers high flexibility and extendibility for advanced annealing applications and is currently in high-volume production for advanced planar and FinFET devices.

GF receives global order for lightweight car components

GF Automotive, a division of GF, has received a major global order for passenger cars' structural parts from a well-known European car manufacturer. The contract amounts to EUR 84 million. The components will be simultaneously produced in Europe, China and the US as of 2018.

The order comprises suspension strut domes, essential components in the car body construction. These structural parts will be manufactured by aluminum pressure die casting at the GF Automotive facilities in Altenmarkt (Austria), in Suzhou (China) and at the future facility of the GF Linamar joint venture in Henderson County (North Carolina, US). GF Automotive has been awarded the contract for the global production. The cast suspension strut domes replace conventional sheet metal welded constructions resulting in a significant weight reduction of the car body.

GF Automotive is one of the leading



automotive suppliers worldwide and a technologically pioneering development partner and manufacturer for components of passenger cars, trucks and industrial applications. The division manufactures some 600 000 tons of iron, aluminum and magnesium at eleven production plants in Germany, Austria, China, and the US.

Dynacast acquires Schlieper to expand Zinc Die Casting in Austria

Dynacast is proud to announce the acquisition of Schlieper Druckguss in Vösendorf, Austria. Dynacast took over operations on July 1, 2016. This acquisition will enhance Dynacast's strong foothold in zinc die casting in the region, as well as open our aluminum offerings to an expanded network of new customers.

Schlieper, a quality supplier of zinc die castings, has been in operation since 1995, primarily producing components in the automotive sector. The merging of Dynacast Austria and Schlieper will expand product and service choices to customers in the region. Those with international operations will also benefit from the support of Dynacast's global network of 23 international facilities in 16 countries, including facilities in the NAFTA and Asia Pacific region.

The Schlieper facility will continue to operate as an independent and separate business unit until the end of 2016, under the current name Schlieper Druckguss GesmbH.



Both the management team and the current employee base will remain the same to ensure that customers continue to receive the full range of products, as well as uninterrupted levels of service.

This acquisition provides Schlieper customers with ongoing access to Dynacast's unparalleled service. With over 80 years of experience pioneering the techniques and technologies that have redefined the die casting industry, this strategic move will ensure every customer receives insight and expertise that adds value at every stage of the design and manufacturing process.