



International Test Solutions Announces the “LCxK” Product Family Complete Line of Low-Chlorine Abrasive Foam Materials

RENO, NEVADA – SEPTEMBER 15, 2019 – International Test Solutions (“ITS”), the leading global supplier of highly engineered cleaning materials for the semiconductor manufacturing and device testing industries announced the global availability of the complete line of low-chlorine abrasive coated foam materials for online cleaning of probe card and sockets. The low-chlorine cleaning materials, designated as “**LCxK**”, are the first product family released out of the cooperative teaming agreement between International Test Solutions and Mipox Corporation.

The presence of chlorine ions and chloride contamination on a bond pad surface can act as a catalyst for the copper (Cu) corrosion process and dramatically weaken the copper-aluminum (Cu-Al) intermetallic compounds (IMC) for copper wired bonded devices. Reduced intermetallic integrity caused by chlorine corrosion can create long-term reliability issues for packaged devices that are exacerbated by extreme environmental and thermal conditions (e.g., automotive applications).

“Eliminating unnecessary halogens from the wafer test process will decrease the potential of contamination which can affect the long-term reliability of Cu-wire bonded packages,” said Dr. Jerry Broz, Senior Vice President of Technology Development. “The extremely low chlorine contents of the new **LCxK** materials dramatically reduces the risk of bond pad and IMC corrosion potentially due to chlorine ions transferred during probe card cleaning”.

All new, and co-developed products are manufactured cooperatively to meet customer requirements of delivery, cycle time, and time to market; and then marketed, sold, and supported exclusively by International Test Solutions. The Mipox Team added, “We are very excited to be working with the innovative technologists at International Test Solutions to develop new materials and constructions that can be used for probe card and test socket cleaning applications.”

International Test Solutions is committed and dedicated to providing the highest-levels of quality, service, and innovation to customers worldwide. Information regarding the low-chlorine abrasive foam cleaning materials (**LC4K**, **LC6K**, **LC8K**, and **LC10K**) and the existing cleaning products are available from the ITS Sales and Applications Support network.

For more information about International Test Solutions, visit www.inttest.net.

About International Test Solutions, Inc. (“ITS”)

International Test Solutions was founded in 1998 and is a leading supplier to the global semiconductor industry. ITS provides and develops highly engineered cleaning products supporting the semiconductor industry during device fabrication, wafer level and burn-in/test socket testing. ITS materials and turnkey products enable device manufacturers and foundries to maximum uptime and throughput.

