CUSTOMER TESTIMONIAL

BAOLAB MICROSYSTEMS

MARCH 2005

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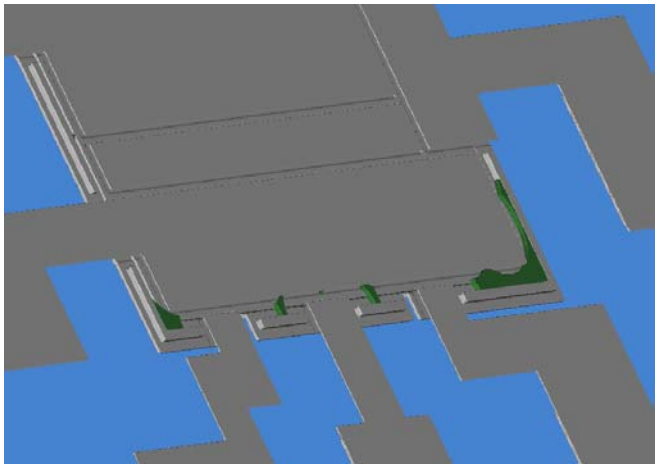
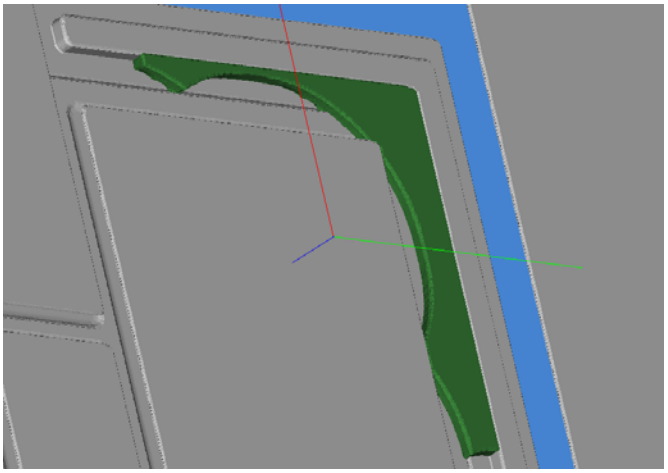
“We have been using Memulator™ extensively with our designs, it has done a good job, and we have been able to see the devices in 3D with great realism saving fabrication runs”

"Memulator has predicted that, despite the fact that our designs satisfy all the polyMumps design rules, 5 of the micro-relays do have unetched oxide that sticks the moveable electrode (I have attached one of these images). We verified this with a Sensofar optical profiler".

"The MEMulator mechanical connection coloring scheme check has been extremely usefull. It quickly allowed me to see whether there were problems on a concrete micro-relay design. It is straightforward to see if some unetched oxide will stick a moveable electrode, or if a part will simply be completely released and move away leaving the die (I forgot to draw a wall for one of the micro-relays, and I did not realize it until I visualized the micro-relay with MEMulator's mechanical coloring scheme).”

“we have now stablished a strict submission procedure within Baolab for all the foundry runs, and one imperative step is to simulate the whole die micromachining process using MEMulator and to visualize the 3D result using the mechanical coloring scheme, and this must be included in the final report.”





Green indicates Oxide not removed despite non-violation of design rules

ABOUT COVENTOR

Coventor, Inc. headquartered in Cary, NC provides a comprehensive suite of software tools for the development of micro-electromechanical systems (MEMS), microfluidics and semiconductor process applications. CoventorWare is an industry standard platform adopted by leading MEMS and microfluidics manufacturers around the globe, and by an extensive network of university partners. Coventor is a privately held company with offices in Cambridge, MA and San Mateo, CA. European headquarters is in Paris, France. Coventor also serves Asia Pacific through regional distributors.
More information is available at http://www.coventor.com

ABOUT BAOLAB MICROSYSTEMS

Baolab Microsystems owns a novel patent pending technology for true small and low voltage micro-relays that can be produced with known standard processes. This will allow the design of many new electronic devices that require thousands of micro-relays inside a single chip, such as analog cross-connects, analog programmable chips, integrated power supplies, fast & high resolution ADC & DAC converters, miniature super directive antennas, low power and high density optical cross connects, miniature 3D sensors, and many more.
More information is available at http://www.baolab.com