



Newsletter: What is the quality of your coatings?

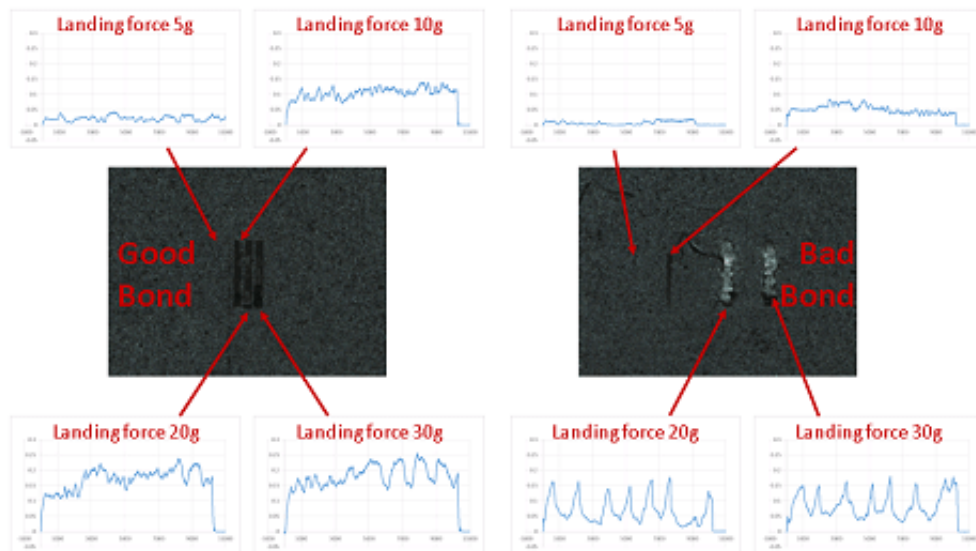
30 September 2015

UPDATE: [newsletter december 2016 "coating and film testing"](#)

Maintaining high quality coatings and films is an important requirement within the semiconductor industry. The XYZTEC "Scratch Test" (PDF) provides a new means of measuring the quality of the adhesive bond of single or multiple coatings to the substrate and/or each other. As shown in the video a special shear tool is used to land on to a coating or multiple coatings and then scratch along the surface.

[Video not included in PDF: [click here to view online](#)]

The depth of the cut and layer being tested can be controlled by a programmable landing force and the ability to drive down into the coating or coatings to a programmable depth. Weak bonds can be seen in the failure mode of delamination and the force displacement graph of the shear tool. In the example shown the difference between a good and bad bond can be clearly seen.



[Click here to view the PDF on Scratch Testing.](#)

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Bond testers

- Condor *Sigma*
- Condor *Sigma Lite*
- Condor *Sigma W12*
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Bond testing seminars

Aiming to improve understanding of bond testing in the industry, XYZTEC organizes [seminars](#) to present and disseminate knowledge in a straightforward format. [Click here to find out more about bond testing seminars.](#)

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