

Test: Removal of SAL resist with Colibrì plasma reactor



Customer: Università degli Studi Magna Grecia di Catanzaro

Binasco 20 Febbraio 2007

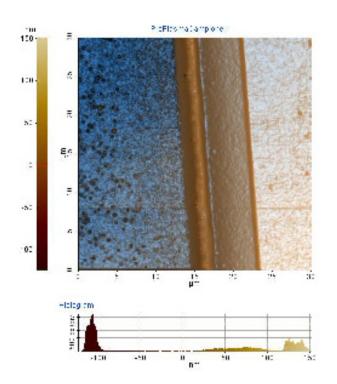
Description



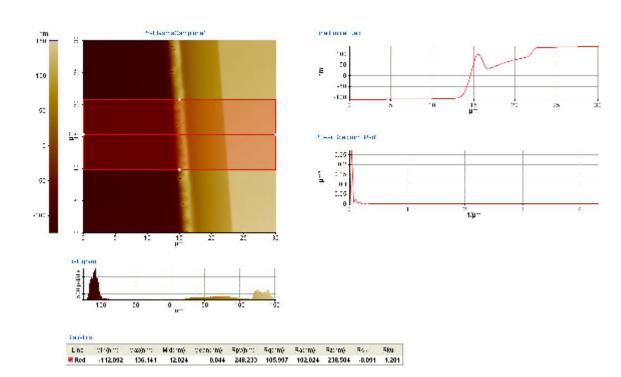
In this test, Colibrì plasma reactor, is equipped if an RF power supply 13,56 MHz 150 Watt max power.

This test has been done, using air, at a pressure of 3.5 x 10⁻¹ mbar with a power of 80 watts, during the experiment was necessary to remove 250-270 nm of SAL resist.

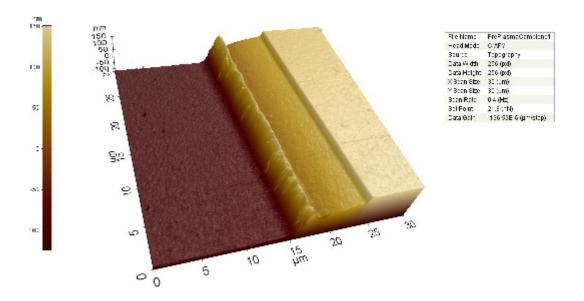
Measure performed with an AFM and SEM before plasma treatment

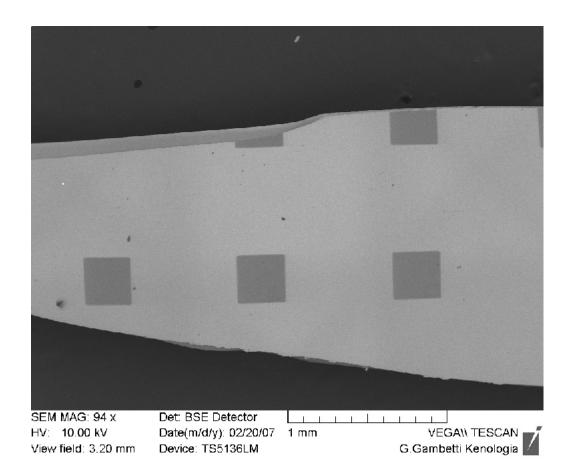


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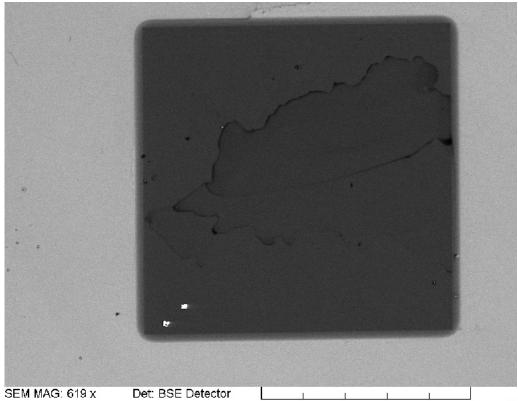












HV: 10.00 kV View field: 487.38 μm Device: TS5136LM

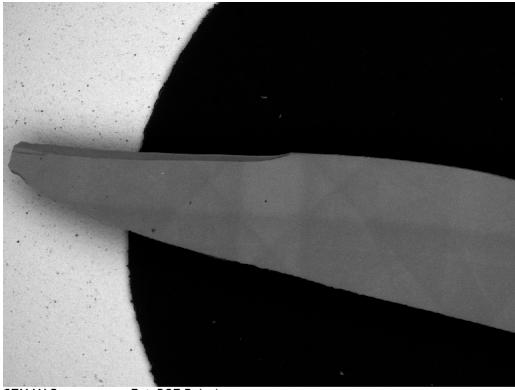
Date(m/d/y): 02/20/07 200 μm

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Test resoults



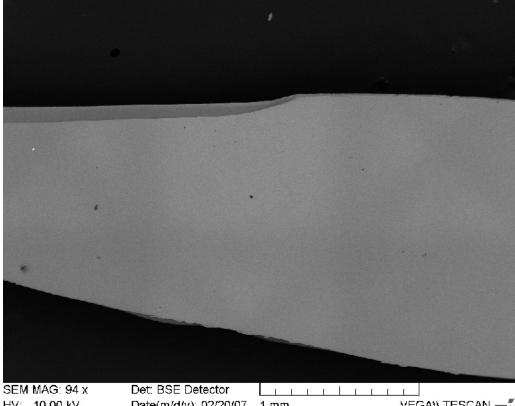
After five minutes of a plasma treatment with air, at a preassure of 3.5 x 10⁻¹ mbar with a power of 80 watts, is clear from the pictures taken with a scanning electron microscope, that all resist has been removed.



SEM MAG: ---HV: 10.00 kV View field:

Det: BSE Detector Date(m/d/y): 02/20/07 Device: TS5136LM

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HV: 10.00 kV View field: 3.20 mm

Date(m/d/y): 02/20/07 1 mm Device: TS5136LM

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